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ANTHROPOMETRY OF WOMEN OF THE U.S. ARMY-1977

Report No. 3 - Bivariate Frequency Tables

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PREFACE

The research reported here was carried out by the Anthropology Research Project of Webb Associates in Yellow Springs, Ohio, under Contract DAAG17-76-C-0010 with the U. S. Army Research and Development Command in Natick, Massachusetts. Mr. Edmund Churchill served as senior investigator and Mr. Robert M. White as project officer.

Miss Nancy Folk of the Army Uniform Division at Natick participated actively in selecting the bivariate tables chosen for inclusion in this report.

Preparation of this report for publication--like that of so many before this one--was carried out competently and efficiently by Ms. Jane Reese with a minimum of grumbling at the authors' irrational requests and an amazing ability to decipher their all but undecipherable handwritten manuscripts. Final editing was done by Ms. Ilse Tebbetts.

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ANTHROPOMETRY OF WOMEN IN THE U. S. ARMY--1977
REPORT NO. 3 - BIVARIATE FREQUENCY TABLES

INTRODUCTION

The dimensions of the human body interrelate with each other in a multiplicity of ways and to a multiplicity of diverse degrees. The solutions of many problems related to the design of clothing, personal equipment, and workspace require a knowledge of the nature and intensity of the relationships among the dimensions involved. Such a knowledge, indeed, is often necessary, not only for the solution of such a problem, but also for a visualization of the problem and the evaluation of alternate approaches to the development of a solution.

Among the several ways of presenting information dealing with these interrelationships, one of those frequently used, particularly for presentation of such data to designers, is that of the bivariate frequency table. As the many tables presented in this report show, these data indicate the number or proportion of a group of individuals who fall within a particular range of values for one variable and, simultaneously, within a specified range for a second variable.

The bivariate table shows the range of two measurements and the numbers or frequencies of women who have the various possible combinations of values of the two measurements. The values indicating the ranges of the two measurements represent the mid-points of the intervals in those ranges. The frequencies or numbers of women may be expressed as percentages of the sample (as in Tables 4 through 100) or may be given as actual numbers (as in Tables 101 through 310).

The degree of relationship between two variables may be expressed by the statistic of the coefficient of correlation or "R" value. The coefficients of correlation between body measurements may vary between .000, representing no correlation, and .999, representing an almost perfect correlation. Most correlations of this type are positive correlations, which means that as the value of one measurement increases, the value of the other measurement also increases. However, some correlations may be negative correlations; in this case, as the value of one measurement increases, the value of the other measurement decreases.

While the relationship between two measurements is indicated by the coefficient of correlation, the extent or degree of correlation may be estimated from the appearance or general shape of the bivariate. Table 120, a bivariate of hip circumference and weight, shows a fairly well-defined band sloping from the lower left toward the upper right, indicating that as the values for weight increase (from left to right), the values for hip circumference also increase (from bottom to top). The apparently strong relationship is further confirmed by the comparatively high coefficient of correlation of .906. Thus, heavier women generally have larger hip girths. On the other hand, there is no such trend shown in Table 17, the bivariate of waist height and waist circumference; the distribution in this bivariate table is practically oval in shape. There is virtually no correlation between these two measurements, as confirmed by the low coefficient of correlation of .061. What this actually means is that almost any waist height may be expected to occur with any waist circumference. The practical implication of this lack of correlation is that skirts or trousers of whatever waist girth must be made in virtually all lengths in order to provide the sizes necessary to fit the population or that garment bottoms should be left unfinished and then tailored to fit the individual.

In general, height measurements (waist height, crotch height, sitting height) and the lengths of the arms or legs are highly correlated with stature. Circumference measurements or body girths are more highly correlated with weight. Breadth measurements tend to be more highly correlated with weight than with stature.

Tables 101-310 also show the regression equations for the two related measurements. These equations, which are based upon the relationship between the two measurements in the bivariate, make it possible to calculate predicted values of one measurement from given values of the other measurement. In Table 149, the regression equation for hip circumference (Y) and stature (X) is:

$$Y = 0.41X + 28.704$$

Thus, the average hip circumference of an Army woman 162.96 centimeters tall would be expected to be:

$$(0.41) 162.96 + 28.704 = 95.52 \text{ centimeters}$$

In addition to illustrating the relationship between two measurements, the bivariate table serves a very important and practical function as the basis for the development of clothing tariffs.

One of the ultimate objectives in the application of anthropometric data in the area of military logistics is the correlation of body sizes and clothing sizes in order to determine what quantities of which sizes of clothing are required to fit the bodies in the military population. The listing of quantities (or percentages) of clothing, by size, is called a clothing tariff, and it is from the bivariate table that such a tariff is generated or calculated.

This report consists in the main of more than 300 bivariate tables based on data from the 1976-1977 anthropometric survey of 1,331 U. S. Army women. Most of these tables were prepared directly from the data as they were collected and have interval widths which are multiples of the units in which they were recorded. These units were, in most cases, millimeters. A smaller number of the tables represent an effort to approximate the tables which would have been obtained had the measurements been made in inches and binary fractions of an inch.

Chapter I discusses the problem of preparing frequency tables in units other than those in which the data were measured and describes the "inch" bivariate and truncated tables (4-77 and 78-100 respectively). Chapter II contains the "inch" tables and Chapter III those based on the original data units (Tables 101-310). The report concludes with a brief bibliography and an index of the tables included here.

The Survey and Its Sample

The methodology of this survey has been described in the first report of this series (Laubach, L. L., J. T. McConville, E. Churchill and R. M. White, Anthropometry of Women of the U. S. Army--1977, Report No. 1 - Methodology and Survey Plan, Technical Report NATICK/TR-77/021, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977). The basic univariate statistics are given in the second report of the series (Churchill, E., T. Churchill, J. T. McConville and R. M. White, Anthropometry of Women of the U. S. Army--1977, Report No. 2 - The Basic Univariate Statistics, Technical Report NATICK/TR-77/024, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977).

A brief description of the sample in terms of age, race, and rank is given in Table 1.

TABLE 1

DISTRIBUTION BY AGE, RACE AND RANK

<u>Age</u>	<u>No. of Subjects</u>	<u>Rank</u>	<u>No. of Subjects</u>
50 and up	3	<u>Officers</u>	
40-50	25	0-4, 0-5, 0-6	36
30-40	100	0-1, 0-2, 0-3	<u>308</u>
20-30	810		
under 20	<u>393</u>		
		Total	344
Total 1331		<u>Enlisted</u>	
<u>Race</u>		E-6, E-7	23
White	989	E-4, E-5	176
Black	302	E-2, E-3	357
Oriental	25	E-1	<u>431</u>
NA	<u>15</u>		
Total 1331		Total	987

At the completion of this survey, a group of 257 male soldiers were measured by the same measuring team using the same measuring techniques. A description and summary statistics as well as selected bivariate tables based on these data will be presented in a later report (Churchill, E., T. Churchill, J. T. McConville and R. M. White, Anthropometry of Women in the U. S. Army--1977, Report No. 5 - Comparative Data for U. S. Army Men, Technical Report NATICK/TR-77/029, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977).

The organization of both surveys provided that a series of "core" measurements be made on each subject and that additional series of measurements be made on subgroups of the survey samples. All the bivariate frequency tables included in this report are based on the full sample. For easy reference, the means and standard deviations of these core measurements are listed in Table 2.

TABLE 2
MEANS AND STANDARD DEVIATIONS FOR THE CORE MEASUREMENTS

VARIABLE NUMBER	MEAN	STANDARD DEVIATION	VARIABLE NAME
1	132.219	19.158	WEIGHT
2	162.958	6.521	STATURE
3	133.490	5.998	SHOULDER (ACROMIALE) HEIGHT
4	123.253	5.531	AXILLA HEIGHT
5	118.295	5.626	BUSTPOINT HEIGHT
6	101.390	5.200	WAIST HEIGHT
7	76.367	4.378	CROTCH HEIGHT
8	63.795	4.673	BUTTOCK HEIGHT
9	47.899	2.649	KNLECAP HEIGHT
10	32.549	2.302	CALF HEIGHT
11	85.077	3.592	SITTING HEIGHT
12	73.640	3.465	EYE HEIGHT, SITTING
13	33.565	1.748	SHOULDER-ELBOW LENGTH
14	43.517	2.235	ELBOW-FINGERTIP LENGTH
15	50.993	2.604	KNEE HEIGHT, SITTING
16	41.684	2.351	POPLITEAL HEIGHT
17	57.850	3.003	BUTTOCK-KNEE LENGTH
18	22.919	2.225	BUST DEPTH
19	18.269	2.210	WAIST DEPTH
20	28.247	1.850	CHEST BREADTH
21	25.580	2.456	WAIST BREADTH
22	35.366	2.470	HIP BREADTH
23	42.045	2.237	SHOULDER (BIDULTOID) BREADTH
24	32.360	1.587	NECK CIRCUMFERENCE
25	100.300	5.429	SHOULDER CIRCUMFERENCE
26	85.549	5.194	CHEST CIRCUMFERENCE AT SCYE
27	88.215	6.420	BUST CIRCUMFERENCE
28	74.821	5.017	CHEST CIRCUMFERENCE BELOW BUST
29	71.014	6.898	WAIST CIRCUMFERENCE
30	95.517	6.337	HIP CIRCUMFERENCE
31	153.844	7.200	VERTICAL TRUNK CIRCUMFERENCE
32	37.520	2.423	ARM SCYE CIRCUMFERENCE
33	26.875	2.294	BICEPS CIRCUMFERENCE, FLEXED
34	25.979	1.624	ELBOW CIRCUMFERENCE, FLEXED
35	24.031	1.504	FOREARM CIRCUMFERENCE, FLEXED

TABLE 2
MEANS AND STANDARD DEVIATIONS FOR THE CORE MEASUREMENTS

VARIABLE NUMBER	MEAN	STANDARD DEVIATION	VARIABLE NAME
36	14.706	.685	WRIST CIRCUMFERENCE
37	56.918	4.591	UPPER THIGH CIRCUMFERENCE
38	34.828	2.261	KNEE CIRCUMFERENCE
39	35.093	2.510	CALF CIRCUMFERENCE
40	20.734	1.248	ANKLE CIRCUMFERENCE
41	14.999	1.063	SHOULDER LENGTH
42	37.858	2.353	INTERSCYE, BACK
43	33.169	1.745	INTERSCYE, FRONT
44	41.971	3.169	BACK CURVATURE-BUST
45	35.366	3.479	BACK CURVATURE-WAIST
46	47.506	3.736	BACK CURVATURE-HIP
47	40.853	2.654	WAIST BACK LENGTH
48	36.736	2.629	WAIST FRONT LENGTH
49	25.264	2.084	NECK TO BUSTPOINT
50	23.100	2.516	AXILLA TO WAIST
51	45.054	2.613	SLEEVE INSEAM LENGTH
52	53.797	2.962	SLEEVE OUTSEAM LENGTH
53	72.932	5.461	CROTCH LENGTH
54	54.925	1.638	HEAD CIRCUMFERENCE
55	14.614	.539	HEAD BREADTH
56	18.708	.671	HEAD LENGTH
57	9.883	.523	PALM LENGTH
58	7.819	.338	HAND BREADTH
59	18.448	.857	HAND CIRCUMFERENCE
60	17.443	.902	HAND LENGTH
61	17.853	.985	INSTEP LENGTH
62	24.319	1.251	FOOT LENGTH
63	30.790	1.457	HEEL-ANKLE CIRCUMFERENCE
64	8.866	.515	FOOT BREADTH
65	6.089	.411	HEEL BREADTH
66	22.609	1.145	FOOT CIRCUMFERENCE
67	23.480	1.264	INSTEP CIRCUMFERENCE
68	10.856	1.017	ANKLE HEIGHT
69	6.463	.543	SPHYRION HEIGHT

Chapter I

METHODOLOGY: "INCH" AND TRUNCATED TABLES

The basic concept of a bivariate frequency table is a simple one--we set up a series of intervals or categories based on a pair of variables, and then observe how many individuals in a given sample or population fall into each of these categories. It is assumed that these intervals will spread out over the entire range of values for these variables and that there will be an interval to which each individual belongs. This, as a matter of fact, is how the majority of tables in this report were prepared. We have also included a number of tables prepared somewhat differently and, in the following paragraphs, we describe these "inch" and truncated frequency tables.

The "Inch" Bivariate Tables

Frequency tables--be they univariate, bivariate, or of an even greater number of variables--ordinarily are based on intervals which are multiples of the units of measurement in which the data were measured and recorded. A problem arises, therefore, in the presentation of body size data, measured in millimeter units, to those users of such data who continue to base their designs on inch, half-inch and quarter-inch units.

The nature of the problem in creating "other unit" tables and possible approaches to its solution are worth brief mention. Often, for example, one of the measurements involved in a bivariate frequency table is stature, a dimension usually measured by anthropometrists to, as best the measurer can judge, the nearest millimeter. In making a frequency table for stature with intervals such as 60"-61", 61"-62" and so forth, we find that the limits of the 61"-62" interval are, in millimeters, from 1549.4 to 1574.8. Clearly, any individual with a recorded stature of from 1550 to, and including, 1574 falls within this interval. The problem is the handling of those with recorded values of 1549 or 1575. A value recorded as 1549 can represent a stature as low as 1548.5 or as high as 1549.5; some individuals measured as 1549 thus belong in the 60"-61" category, others in the 61"-62" group. Similarly, some of the 1575's belong in the 61"-62" interval, others in the 62"-63" group. We can ignore this problem and follow a simple procedure of putting everyone with recorded values between 61 and 62 inches (that is, 1550-1574 millimeters) in the interval, everyone with recorded values between 62 and 63 inches (1575-1600 millimeters) in the next, and so forth. One problem with this approach is that we jump back and forth, sometimes combining 25, sometimes 26 sets of millimeter values into a single inch unit.

In making univariate tables with intervals of at least a full inch, the approach just described would seem quite practical. The actual interval widths will be either 0.984" or 1.024" wide and the errors in the interval endpoints would not be larger than about 0.02". The errors, however, increase as one goes from univariate to bivariate tables and the presumptive interval widths decrease. Thus, take--from a practical point of view--an extreme case: a bivariate table with indicated one-quarter inch intervals for both variables. This approach creates intervals actually either 6 millimeters or 7 millimeters wide. The "boxes" in the bivariate table are thus $6 \times 6 = 36$, $6 \times 7 = 42$, or $7 \times 7 = 49 \text{ mm}^2$ in area. A true $1/4" \times 1/4"$ double interval would include 0.0625 square inches, but in such a converted table the area would range from 0.0558 to 0.0759 square inches; the larger of these values being 36 percent larger than the smaller, and the frequency counts for roughly half the entries in the table being in error about 18 percent, hardly an acceptable level of accuracy.

A second approach would be to establish tables essentially following the method just discussed and then adjusting the results to compensate for the unequal interval widths. Thus, for example, in the case of the one-inch intervals, the frequencies obtained would then be multiplied by 1.016 ($= 25.4/25$) or by 0.977 ($= 25.4/26$) depending on whether 25 or 26 millimeter intervals were combined to make a one-inch interval, and shorter intervals can be treated similarly. While some slightly awkward results are obtained when using this method with bivariate tables (the row, or column, totals for one variable depend somewhat on the distribution of the other variable), it would appear to be a reasonable one. We are, however, not aware of any use made of this method with anthropometric data.

A third approach--the one which we have used--handles the problem of the overlapping values, the 1549 and the 1575 in the example we considered earlier, as follows. Since the bottom of the 61"-62" interval is 1549.4 and a recorded value of 1549 presumably represents the range of 1548.5 to 1549.5, there is only a 0.1-millimeter overlap. Thus, if there were many individuals with recorded statures of 1549 and if there were no solid reason for not supposing them distributed more or less evenly over the 1549 \pm 0.5-millimeter range, we might expect that about one-tenth of them exceeded 61", while nine-tenths of them were shorter. Similarly, since the upper limit of the 61"-62" interval is 1574.8 millimeters, we would expect about three-tenths of the individuals with recorded statures of 1575 to fall in the subinterval of 1574.5-1574.8 millimeters. The frequency count for the 61"-62" interval, one may thus argue, should include one-tenth of those individuals with recorded statures of 1549 millimeters, everyone with values from 1550 to 1574, and three-tenths of those with the value 1575. Equivalently, for each individual with a value of 1549, we can add 0.9 to the 60"-61" interval and 0.1 to the 61"-62" interval. For each individual with a value of 1575, 0.3 is added to the 61"-62" interval and 0.7 to the next larger interval.

This approach extends easily--with the help of a computer--to the bivariate case. The following diagram (Figure 1) shows the treatment assigned to an individual with a recorded stature of 1575 millimeters and a recorded bustpoint height of 1092 millimeters. In univariate tables, this individual would be counted as 0.3 in the 61"-62" range and 0.7 in the 62"-63" range for stature and as 0.7 in the 42"-43" range and 0.3 in the 43"-44" range for bustpoint height. In the bivariate table, this person is counted as 0.3×0.3 or 0.09 in the 61"-62"--43"-44" box, and, as shown in the diagram, 0.21, 0.21, and 0.49 in the three other boxes.

By using the method just described, a set of about 100 bivariate frequency tables with interval widths and interval end points which are either integer multiples or binary fractions of an inch have been prepared and are presented in the next chapter. To distinguish these tables from those constructed in terms of the measurement values as they were recorded, we shall call them "inch" bivariates in this report. These tables are presented in Tables 4 through 100 of this report. They are listed in the order of their presentation in the List of Tables starting on page 5 and are doubly listed (that is, both as stature and bust circumference and bust circumference and stature) in alphabetic order in the index at the end of this report.

The Truncated Tables

We have, in a few cases, provided both complete and truncated versions of a single table. This has been true, in particular, of tables which involve bust, waist, or hip circumference. The rationale of these truncated tables is illustrated by a consideration of the distribution of weight. The range of weight in the survey sample is from 88 to 277.8 pounds, a spread of almost 200 pounds. For tables with a maximum of 22 intervals, such a spread will require, for all practical purposes, interval widths of 10 pounds, resulting in a table such as Table 3a. Not only are these intervals rather wide, but, because of the large difference between the largest and the next to largest weights, a substantial number of the rows in the table are empty. If, on the other hand, we use only data for the central 99% (approximately) of the sample, the range is from 91.8 to 199.5 pounds with a spread of only 107.7 pounds, and an interval width of 5 pounds becomes possible. Similarly, the range for bust circumference is from 27.11 to 50.57 inches, just too large for one-inch intervals, while all but a single subject fall in a 27 to 47-inch range. Tables based on slightly truncated samples should, in general, be as useful for most design studies as those based on the full sample since the few outliers eliminated in the truncation will, as a rule, usually be ignored whether they appear in the tables or not. Table 3b includes all but the four women who weighed less than 90 pounds and the six who weighed over 200 pounds. As one might expect, the subject with the 51" bust was among those weighing over 200 pounds. As the "total" figure at the lower right corner of the table indicates, this group of subjects constituted 99.2% of the sample.

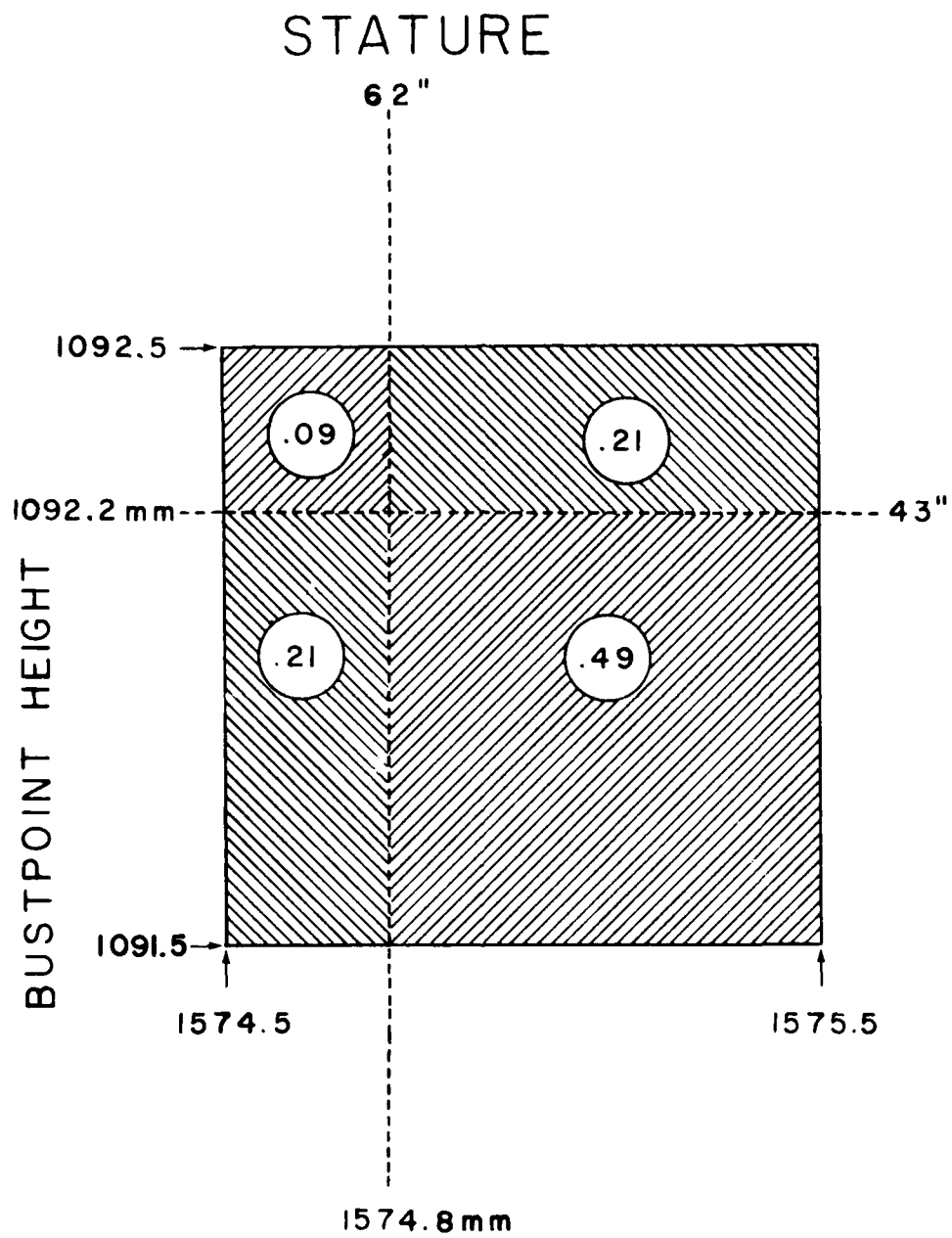


Figure 1. A schematic diagram of bivariate distribution.

TABLE 3a

ILLUSTRATIVE BIVARIATE DISTRIBUTION TABLE: COMPLETE

WEIGHT AND RUST CIRCUMFERENCE

RUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
240.	+	+	+	+	+	+	+	+	+	+	+	+	+	+
270.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
280.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
290.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
370.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
380.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
390.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
420.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
430.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
440.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
450.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
460.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
470.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
480.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
490.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
510.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
520.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
530.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
540.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
550.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
560.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
570.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
580.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
590.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
610.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
620.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
630.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
640.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
650.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
660.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
670.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
680.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
690.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
710.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
720.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
730.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
760.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
770.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
780.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
790.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
800.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
810.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
820.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
830.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
840.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
850.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
860.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
870.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
880.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
900.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
910.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
920.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
930.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
940.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
950.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
960.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
970.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
980.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
990.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1000.	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUMMARY STATISTICS

	MEAN	ST. DEV.	-P-	-N-
WEIGHT	122.22	19.16	.415	1731
RUST CIRCUMFERENCE	34.73	2.53		

TABLE 3b

ILLUSTRATIVE BIVARIATE DISTRIBUTION TABLE: TRUNCATED

WEIGHT AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.
200.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
195.	-																.1
190.	-															.1	.4
185.	-																.0
180.	-																.6
175.	-																.7
170.	-																.7
165.	-																1.2
160.	-																2.3
155.	-																4.3
150.	-																5.0
145.	-																7.1
140.	-																8.6
135.	-																10.5
130.	-																10.7
125.	-																10.3
120.	-																11.7
115.	-																7.0
110.	-																7.2
105.	-																4.7
100.	-																3.4
95.	-																2.1
90.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.0
	.2	.7	3.5	8.1	13.1	14.6	14.5	10.2	11.5	8.6	4.9	2.4	.8	.8	.2	.0	.1
																	55.2

PERCENT EXCLUDED .8

SUMMARY STATISTICS

WEIGHT	ST DEV	-R-	-N-
132.22	15.16	.415	1331
BUST CIRCUMFERENCE	26.73		

Chapter II

THE "INCH" BIVARIATE TABLES

Tables 4 through 100 were prepared using the procedure described in Chapter I.

The entries in these tables are expressed in percentages of the total sample, rounded to the nearest tenth of one percent. Column and row totals were obtained by adding the unrounded table entries and were then rounded. It should be noted that these tables are subject to the rules for the arithmetic of approximate numbers and that the entries in a given column (or row) as printed sometimes do not add to the listed total. Thus, for example, since a listed value of .1 could represent, among other values, .06 or .14, the sum of the two values (each listed as .1) might be .12 (the sum of .06 and .06) and be listed as .1, or .20 (the sum of .06 and .14) and be listed as .2, or .28 (the sum of .14 and .14) and be listed as .3. Such differences will rarely be larger than one or two tenths of a percent. Entries of .0 indicate percentages between .00 and .05%; entries which are true zeroes have been left blank.

Interval endpoints are labelled in a normal fashion when the interval widths are either full or half inches. Because of the somewhat inflexible nature of the computer-printout, we have used a non-standard labelling method for those relatively few tables with interval widths of quarter- or eighth-inches; the digit to the right of the "decimal point" represents the number of quarters (or eighths, as is appropriate) beyond the integer value of inches. The interval endpoints for head breadth, for example, will be labelled, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 6.0, etc., indicating values of 5", 5 1/8", 5 2/8", 5 3/8", 5 4/8", 5 5/8", 5 6/8", 5 7/8", 6", and so forth.

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TABLE 4
STATURE AND SHOULDER (ACROMIALE) HEIGHT

STATURE

56. +	57. +	58. +	59. +	60. +	61. +	62. +	63. +	64. +	65. +	66. +	67. +	68. +	69. +	70. +	71. +	72. +	73. +	
62. +																		.1
61. -																		.0
60. -																		.2
59. -																		.8
58. -																		2.6
57. -																		4.3
56. -																		7.8
55. -																		11.0
54. -																		15.1
53. -																		16.7
52. -																		14.9
51. -																		12.3
50. -																		7.6
49. -																		4.8
48. -																		1.6
47. -																		.4
46. -																		.1
45. +	.1	.5	1.4	2.7	6.0	9.3	13.3	14.9	14.8	17.9	8.3	6.7	3.8	2.1	.8	.5	.1	100.0

SUMMARY STATISTICS

SHOULDER (ACROMIALE) STATURE	HEIGHT	MEAN	ST	OV	-R-	-N-
		92.98	2.76		.968	1331
		64.16	2.57			

STATURE AND WAIST HEIGHT

[illegible]

SUMMARY STATISTICS

44-38861-1071

ST 00-000000
ST 00-000000
ST 00-000000
ST 00-000000

1331
-2-

31
BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 6
STATURE AND CROUCH HEIGHT

STATURE

37.	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37

SUMMARY STATISTICS

CROUCH HEIGHT	MEAN	ST	DV	-R-	-N-
STATURE	31.07	1.72	.861	1031	
	64.16	2.57			

TABLE 7

[illegible]

TEST	CIRCUMFERENCE	STATURE	WEIGHT	CV	Q	N
			133.1	0.537	0.242	1
			133.1	0.537	0.242	1

10

BEST AVAILABLE COPY

TABLE 2
STATURE AND WAIST CIRCUMFERENCE

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
46.	-																		.0
44.	-																		.0
42.	-																		.4
40.	-									.1	.1								.0
38.	-									.2	.2	.1							.8
36.	-									.0	.2	.2	.2	.1					2.2
34.	-									.1	.4	.3	.1	.2	.1	.2			3.7
32.	-									.2	.6	.3	.8	.2					11.8
30.	-									.5	1.0	1.7	1.6	.7	.3	.2	.1		24.9
28.	-									.7	1.6	3.2	4.1	3.7	2.7	.9	.2		32.5
26.	-									.2	2.2	3.1	4.5	4.7	2.6	1.8	.2	.1	20.7
24.	-									.5	1.2	1.8	2.3	3.2	2.7	.6	.4		3.0
22.	+	+	+	+	+	+	+	+	+	.2	.2	.5	.5	.2	.2	+	+	+	.1 100.0

SUMMARY STATISTICS

	MEAN	ST	CV	-R-	-N-
WAIST CIRCUMFERENCE	27.96	2.72		.211	1331
STATURE	67.16	2.57			

TABLE 9

STATURE AND WIF CIRCUMFERENCE

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
54. +																		
52. -																		
50. -																		
48. -																		
46. -																		
44. -																		
42. -																		
40. -																		
38. -																		
36. -																		
34. -																		
32. -																		
30. +																		
54. +																		
52. -																		
50. -																		
48. -																		
46. -																		
44. -																		
42. -																		
40. -																		
38. -																		
36. -																		
34. -																		
32. -																		
30. +																		

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
WIF CIRCUMFERENCE	37.61	2.51	.415	1331
STATURE	64.16	2.57		

TABLE 10

STATURE AND WAIST JACK

BEST AVAILABLE COPY

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
20.5 -	.1												.1					.1
20.0 -													.2					.2
19.5 -													.2					.3
19.0 -								.1	.1	.1	.1	.1	.2	.1	.2	.0	.1	1.0
18.5 -								.2	.3	.3	.4	.3	.5	.5	.0	.1	.0	2.6
18.0 -					.0			.3	.2	.5	.7	.9	.7	.7	.4	.2	.1	5.2
17.5 -					.1		.3	.1	.8	1.6	1.3	1.0	1.4	.6	.5	.3	.0	7.8
17.0 -					.1	.5	.6	1.6	2.9	2.7	3.6	1.6	1.4	1.2	.5	.2	.2	17.0
16.5 -				.2	.2	.9	1.5	2.5	3.5	2.4	3.4	1.9	.7	.4	.3			17.8
16.0 -			.1		.4	.9	1.9	3.5	2.9	3.0	2.3	1.4	1.0	.1				17.6
15.5 -				.2	.6	1.5	2.0	2.3	2.7	2.2	1.5	1.1	.2	.2	.1			15.0
15.0 -			.3	.6	.5	1.3	1.9	2.5	1.2	.7	.3	.3	.2		.2			16.0
14.5 -			.2	.2	.5	.8	.7	.4	.4	.6	.3	.1			.1			4.0
14.0 -		.1	.1	.3	.1	.2	.1	.2		.1	.1							1.1
13.5 -					.1		.1	.1										.2
13.0 +	.1	.5	.5	1.4	2.7	6.0	9.3	13.8	14.9	14.8	13.9	9.2	6.7	3.6	2.1	.8	.5	.1 100.0

SUMMARY STATISTICS

WAIST JACK	ST	OV	-R-	-N-
STATURE	16.58	1.04	.021	1331
	64.16	2.57		

TABLE 11
STATURE AND WAIST FRONT

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
19.0 +																		
18.5 -									.1	.1			.1			.1		.1
18.0 -								.1				.1	.2	.2				.3
17.5 -						.1				.2			.2	.1				.6
17.0 -							.1	.4	.2	.1	.2		.3	.4	.1			.8
16.5 -				.1	.1		.3	.2	.5	.7	.8	.3	.6	.4	.1	.0		1.9
16.0 -			.1	.1	.1		.1	.8	.9	1.0	.8	.8	1.0	.2	.2	.2	.1	4.0
15.5 -		.1		.2	.1	.5	.4	1.6	2.1	2.5	2.8	1.3	.9	1.0	.5	.2	.2	6.2
15.0 -			.1	.2	.4	.4	.8	1.7	2.6	2.9	3.0	1.9	1.7	.8	.5	.2	.2	14.3
14.5 -		.1	.1	.2	.3	1.5	2.5	2.9	3.2	3.2	3.2	1.9	1.0	.4	.5	.2	.1	17.0
14.0 -			.2	.4	.5	1.5	1.8	2.6	2.4	2.6	1.9	1.1	.5	.2	.1	.1	.0	20.6
13.5 -		.1	.2	.3	1.0	1.5	2.1	2.2	2.1	1.1	.7	1.0	.2	.1	.1	.0	.0	16.0
13.0 -			.2	.1	.5	.5	.9	1.0	.4	.2	.6	.0	.2					12.5
12.5 -			.0	.1	.0		.3	.2	.1	.1								4.5
12.0 -																		.8
11.5 +	.1	.5	1.4	2.7	6.0	9.3	13.8	14.9	14.9	14.6	13.9	6.8	6.7	3.8	2.1	.8	.5	.3
																		.1
																		100.0

SUMMARY STATISTICS

STATURE	MEAN	ST	DV	-R-	-N-
14.46	14.46	1.03	.370	1331	
64.16	64.16	2.57			

1000

BEST AVAILABLE COPY

TABLE 12
STATURE AND SLEEVE INSEAM

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
21.5 +																		
21.0 -																		
20.5 -																		
20.0 -																		
19.5 -																		
19.0 -																		
18.5 -																		
18.0 -																		
17.5 -																		
17.0 -																		
16.5 -																		
16.0 -																		
15.5 -																		
15.0 -																		
14.5 -																		
14.0 +																		

SUMMARY STATISTICS

SLEEVE INSEAM	MEAN	ST	OV	-R-	-N-
STATURE	17.74	1.03	1.03	.745	1331
	64.16	2.57			

TABLE 13

STATURE AND SLEEVE OUTSEAM

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
25.5 +																		
25.0 -																		
24.5 -																		
24.0 -																		
23.5 -																		
23.0 -																		
22.5 -																		
22.0 -																		
21.5 -																		
21.0 -																		
20.5 -																		
20.0 -																		
19.5 -																		
19.0 -																		
18.5 -																		
18.0 -																		
17.5 -																		
17.0 +																		

SUMMARY STATISTICS

SLEEVE OUTSEAM
STATUREMEAN
21.18
67.16ST DV
1.17
2.57-S-
.782-N-
1331

BRI A-1000000

BEST AVAILABLE COPY

TABLE 14

SHOULDER (ACROMIALE) HEIGHT AND WAIST BACK

SHOULDER (ACROMIALE) HEIGHT

	45.	46.	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.	57.	58.	59.	60.	61.	62.
20.5 +	45.	46.	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.	57.	58.	59.	60.	61.	62.
20.0 -									.1									.1
19.5 -																		.2
19.0 -										.1	.2	.2		.1				.3
18.5 -								.1	.2	.3	.4	.5	.6	.1	.1			1.0
18.0 -			.0				.1	.2	.3	.6	.7	1.0	.5	.4	.3			2.6
17.5 -		.1			.1	.1	.4	.7	.9	1.6	1.3	1.3	1.0	.5	.1		.1	5.2
17.0 -			.1	.1	.2	.7	1.3	2.3	3.2	3.3	2.6	1.1	1.1	.9	.2	.2		7.8
16.5 -			.2	.5	1.0	2.2	3.3	3.3	3.3	3.3	2.1	1.3	.2	.5				17.0
16.0 -			.2	.7	1.3	2.4	3.3	3.9	2.3	2.1	1.2	.2						17.8
15.5 -			.0	.5	1.3	2.4	2.5	2.4	1.6	1.4	.7	.2	.1	.1				17.6
15.0 -		.3	.3	1.2	1.5	2.1	2.0	1.4	.7	.2	.1	.2	.1	.1				15.0
14.5 -		.3	.4	.8	.9	.2	.4	.4	.8	.1	.1	.1						10.0
14.0 -	.1	.1	.2	.3	.1	.2	.1		.1	.1								4.0
13.5 -			.1	.1	.1	.1	.1											1.1
13.0 +	.1	.4	1.6	4.8	7.6	12.3	14.3	16.7	15.1	11.0	7.8	4.3	2.6	.8	.2	.0	.1	100.0

SUMMARY STATISTICS

SHOULDER (ACROMIALE) HEIGHT	MEAN	ST. DEV.	-P-	-N-
	16.08	1.04	.499	1331
	52.58	2.58		

TABLE 1F

WAIST HEIGHT AND CROUCH HEIGHT

WAIST HEIGHT

	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	
37.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
36.	-												.1	.1		.1	.2
35.	-												.5	.3		.1	1.3
34.	-								.1	.1	.6	1.4	.8	.2			3.0
33.	-								.1	.9	2.1	2.0	.7	.1			9.4
32.	-							.4									
31.	-					.0	.2	1.0	3.9	3.8	2.8	.8					14.5
30.	-				.5	1.5	5.7	8.3	3.9	.6							20.6
29.	-			.6	1.6	5.8	9.5	5.3	.7								23.4
28.	-		.3	.7	4.2	7.0	3.6	.9									16.6
27.	-	.2	.5	2.3	3.6	.9	.2										7.7
26.	-	.1	.2	.5	1.4	.4	.1										2.6
25.	-	.1	.2	.2	.1												.5
24.	+	.1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
	.2	.6	1.5	5.0	10.3	15.5	20.2	19.4	12.6	7.2	4.6	2.1	.8	.0	.2	10.0	

SUMMARY STATISTICS

	MEAN	ST. DV	-R-	-N-
CROUCH HEIGHT	30.37	4.72	.882	1331
WAIST HEIGHT	35.92	2.05		

TABLE 16

WAIST HEIGHT AND KNEE HEIGHT BEST AVAILABLE COPY

WAIST HEIGHT

	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	
23.0 +																	.2
22.5 -																	.1
22.0 -																	.1
21.5 -																	.3
21.0 -																	2.0
20.5 -																	3.7
20.0 -																	8.7
19.5 -																	11.2
19.0 -																	16.1
18.5 -																	19.3
18.0 -																	18.1
17.5 -																	11.1
17.0 -																	6.4
16.5 -																	1.9
16.0 -																	.5
15.5 -																	.2
15.0 +																	.0

SUMMARY STATISTICS

KNEE HEIGHT	MEAN	ST	DV	-R-	-N-
WAIST HEIGHT	18.88	1.04	.892	1331	
	29.82	2.05			

TABLE 17
 WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
46.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST. DV.	-P-	-N-
WAIST HEIGHT	27.98	2.72	.061	1731
	39.92	2.05		

DESIGN COPY

BEST AVAILABLE COPY

TABLE 18

WAIST HEIGHT AND HIP CIRCUMFERENCE

WAIST HEIGHT

33. +	34. +	35. +	36. +	37. +	38. +	39. +	40. +	41. +	42. +	43. +	44. +	45. +	46. +	47. +	48. +	
54. -								.1					.1			.1
52. -													.0			.0
50. -																.1
48. -							.1	.2								.2
46. -								.3	.1	.2						.6
44. -						.1	.2	.8	.5	.7	.4					3.1
42. -	.1		.2	.2	.4	1.1	2.1	2.1	1.8	1.3	.9	.6	.1		.1	10.8
40. -		.1	.1	.6	2.4	3.0	5.2	5.7	4.2	2.3	1.7	1.0	.4		.1	26.9
38. -		.3	.5	1.1	3.3	6.3	7.3	6.3	3.8	1.8	1.5	.3	.1			32.5
36. -		.1	.4	2.1	2.4	3.3	4.1	3.2	2.1	1.0	.1	.2	.1			19.0
34. -	.1	.2	.4	.7	1.4	1.3	1.2	.6	.2		.1					6.0
32. -				.1	.3	.1	.1	.1								.6
30. +	.2	.6	1.5	5.0	10.3	15.5	20.2	15.4	12.6	7.2	4.6	2.1	.8	.0	.2	100.0

SUMMARY STATISTICS

HIP CIRCUMFERENCE	MEAN	ST DV	-P-	-N-
WAIST HEIGHT	37.61	2.51	.332	1331
	39.92	2.05		

TABLE 10

WAIST HEIGHT

SUMMARY STATISTICS

mean ST CV -R- -N-

SEFYRION HEIGHT

2

TABLE 2C

BEST AVAILABLE COPY

CROTCH HEIGHT AND KNEE HEIGHT

CROTCH HEIGHT

	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.
23.0 +														
22.5 -														
22.0 -														
21.5 -														
21.0 -														
20.5 -														
20.0 -														
19.5 -														
19.0 -														
18.5 -														
18.0 -														
17.5 -														
17.0 -														
16.5 -														
16.0 -														
15.5 -														
15.0 +														

SUMMARY STATISTICS

KNEE HEIGHT	MEAN	ST	OV	-R-	-N-
CROTCH HEIGHT	18.88	1.04	.919	1331	
	30.17	1.72			

TABLE 21
CROTCH HEIGHT AND WAIST CIRCUMFERENCE

CROTCH HEIGHT

	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
46.	-														.0
44.	-														.0
42.	-														.4
40.	-						.1	.2	.1	.1					.0
38.	-														.8
36.	-					.1		.5	.1	.1					2.2
34.	-		.1	.2	.1	.1	.2	.5	.3	.3		.2			3.7
32.	-		.1	.2	.6	.8	.8	.8	.4	.6	.2	.1			11.8
30.	-		.2	.2	1.3	1.9	3.3	2.1	1.6	1.4	.3	.1	.1		24.9
28.	-		.2	.4	1.3	3.4	5.6	4.7	4.8	2.9	1.1	.5			32.5
26.	-	.1	.1	.7	2.8	5.1	8.3	6.8	4.0	3.1	1.0	.4	.2		20.7
24.	-			1.5	2.4	4.2	4.4	4.2	3.1	.9	.5	.2			3.0
22.	+	+	+	.1	.5	1.0	.9	.4	.2	.1	+	+	+	+	.1
				2.6	7.7	16.6	23.4	26.6	14.5	9.4	3.0	1.3	.2	.1	100.0

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	ST	DV	-R-	-N-
	27.96	2.72	.144	1331
CROTCH HEIGHT	30.07	1.72		

100-100000-001

TABLE 22

TABLE 22

CROTCH HEIGHT AND HIP CIRCUMFERENCE

CROTCH HEIGHT

[illegible]

SUMMARY STATISTICS

WIF CIRCUMFERENCE
CRUTCH HEIGHT

MEAN	ST DV	-R-	-N-
37.61	2.51	.258	1531
33.07	1.72		

TABLE 23

CROCICH HEIGHT AND SPHYRION HEIGHT

CROCICH HEIGHT

3.3 +	24. +	25. +	26. +	27. +	28. +	29. +	30. +	31. +	32. +	33. +	34. +	35. +	36. +	37. +	.1
3.2 -						.1			.1	.1					.2
3.1 -					.0	.0	.2	.2	.1	.5	.1	.1			1.2
3.0 -					.1	.5	.9	.9	.7	.8	.2	.1	.1		4.1
2.7 -					.2	1.2	2.2	2.6	2.8	1.2	.8	.2			11.3
2.6 -				.3	.6	2.9	4.6	4.7	3.6	1.9	.7	.1		.1	19.5
2.5 -				.4	1.5	4.0	5.9	4.1	2.7	1.6	.7	.3	.2		21.4
2.4 -		.0	.1	.7	1.9	3.6	4.8	4.6	2.2	2.1	.3	.3			20.8
2.3 -		.1	.1	.6	2.2	2.8	2.6	2.2	1.4	.6	.3	.0			12.8
2.2 -			.1	.3	.6	.7	1.4	.8	.9	.5	.1	.2			5.6
2.1 -				.1	.4	.7	.6	.4	.1						2.4
2.0 -				.0	.2	.1		.1							.4
1.7 -						.1		.1							.2
1.6 +	.1 +	.5 +	2.6 +	7.7 +	16.6 +	23.4 +	20.6 +	14.5 +	9.4 +	3.0 +	.2 +	.1 +	.2 +	.1 +	10.0

SUMMARY STATISTICS

SPHYRION HEIGHT	MEAN	ST	OV	-R-	-N-
CROCICH HEIGHT	2.54	.21	.275	1331	
	30.17	1.72			

RECEIVED COPY

BEST AVAILABLE COPY

TABLE 24

KNEE HEIGHT AND SPHYRION HEIGHT

KNEE HEIGHT

3.3 +	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	
3.2 -																		.1
3.1 -																		.2
3.0 -																		1.2
2.7 -																		4.1
2.6 -																		11.3
2.5 -																		19.5
2.4 -																		21.4
2.3 -																		20.8
2.2 -																		12.8
2.1 -																		5.6
2.0 -																		2.4
1.7 -																		.4
1.6 +																		.2

SUMMARY STATISTICS

SPHYRION HEIGHT	MEAN	ST	DV	-R-	-N-
KNEE HEIGHT	2.54	.21	.336	1351	
	18.86	1.04			

TABLE 29

SHOULDER-ELBOW LENGTH AND ELBOW-FINGERTIP LENGTH

SHOULDER-ELBOW LENGTH

20.5	10.2	10.7	11.0	11.1	11.2	11.3	12.0	12.1	12.2	12.3	13.0	13.1	13.2	13.3	14.0	14.1	14.2	14.3	15.0	15.1	15.2	15.3	16.0	
20.0																								
19.5																								
19.0																								
18.5																								
18.0																								
17.5																								
17.0																								
16.5																								
16.0																								
15.5																								
15.0																								
14.5																								

SUMMARY STATISTICS

ELBOW-FINGERTIP LENGTH	MEAN	ST DEV	SD	IN
SHOULDER-ELBOW LENGTH	17.33	.99	.745	1331
	13.22	.68		

DISCONTINUED COPY

TABLE 2E

CHEST BREATH AND SHOULDER LENGTH

CHEST BREAST

	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
7.2 -	9.2	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
7.1 -				.2	.1	.2	.3	.1								.1
7.0 -				.1	.3	.6	.5	.1								.8
6.3 -				.6	.8	1.9	1.2	.5	.1	.1			.1		.1	1.8
6.2 -													.1			5.2
6.1 -	.1	.2	1.1	2.9	3.8	1.9	1.1	.3	.1	.1						11.4
6.0 -		.9	2.1	5.4	5.0	4.2	2.0	.4	.2	.1						20.4
5.3 -	.1	1.0	4.5	5.9	6.1	5.0	1.1	.5	.2	.2						24.2
5.2 -	.1	.8	2.0	5.8	4.6	4.0	.9	.5	.2	.2	.1					20.0
5.1 -	.0	.9	2.2	3.4	2.2	1.0	.5	.2	.1	.1						10.4
5.0 -	.1	.4	.7	1.1	.9	.4	.2	.2	.1	.1						4.0
4.3 -			.6	.2	.3			.1								1.2
4.2 +	.2	.1	.1													.3
	.3	4.3	15.0	26.0	25.5	18.7	6.5	2.3	.9	.2	.2	.0	.1	.0	.1	100.0

SUMMARY STATISTICS

	ST	OV	-R-	-N-
MEAN	5.51	.42	.194	1331
	11.12	.73		

TABLE 27

SHOULDER BREADTH AND SHOULDER LENGTH

SHOULDER BREADTH

	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5
7.2 +										.1	.0							.1
7.1 -						.1	.2	.1	.4	.0	.1							.8
7.0 -					.1	.2	.5	.4	.5	.1							.1	1.8
6.3 -				.2	.4	.6	1.7	1.1	.9	.2	.1	.1			.1			5.3
6.2 -		.1	.5	1.1	1.8	2.5	3.1	1.7	.6	.1	.1							11.4
6.1 -		.3	.7	3.2	4.2	4.9	3.0	2.5	.5	.2	.1							20.4
6.0 -	.0																	24.3
5.3 -	.1	.9	1.8	3.8	6.2	6.1	3.1	1.6	.8				.1					20.0
5.2 -		.6	2.2	5.8	4.4	4.4	2.3	1.2	.8	.2	.1							10.4
5.1 -		.7	2.0	2.3	2.0	1.8	.8	.5	.1									4.0
5.0 -	.2	.4	.4	1.1	.8	.6	.2	.3	.1									1.2
4.3 -		.4	.1	.3	.3		.1											.3
4.2 +	.1	.1	.1	.0	.2													.3
	.3	3.3	7.7	16.1	20.8	22.5	14.8	9.5	3.7	.6	.1	.5	.1	.0	.1	.0	.0	100.0

SUMMARY STATISTICS

SHOULDER LENGTH	MEAN	ST	CV	-Q-	-N-
SHOULDER BREADTH	5.51	18.55	.42	.368	1351

BEST AVAILABLE COPY

TABLE 28

NECK CIRCUMFERENCE AND ELST CIRCUMFERENCE

NECK CIRCUMFERENCE														
10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5		
52.	+	+	+	+	+	+	+	+	+	+	+	+	.1	.1
50.	-												.0	.0
48.	-												.1	.1
46.	-							.1	.1	.1			.2	.2
44.	-						.1	.2	.1	.1			.4	.4
42.	-					.1	.2	.4	.1	.1			1.7	1.7
40.	-			.1	.2	1.9	3.3	1.6	.2	.2			7.3	7.3
38.	-		.2	3.1	6.6	5.5	2.4	.6	.2				18.6	18.6
36.	-		.1	1.0	6.8	11.9	6.5	5.1	.5				30.7	30.7
34.	-		.4	4.4	8.6	10.0	3.6	.7					27.8	27.8
32.	-		.1	.9	2.9	4.3	3.2	.7	.1				12.2	12.2
30.	-		.5	.5									.9	.9
28.	-		.1	+									.1	.1
26.	+	+	1.4	9.9	23.5	32.8	20.1	8.6	2.0	+	+	+	.1	100.0
			.1	1.4	9.9	23.5	32.8	20.1	8.6	2.0	.5	.0	.0	.1

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
BUST CIRCUMFERENCE	34.73	2.53	.575	13.1
NECK CIRCUMFERENCE	12.74	.62		

TABLE 29

SHOULDER CIRCUMFERENCE AND INTERSCYE BACK

SHOULDER CIRCUMFERENCE

	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	54.	56.
19.0 +													.1
18.5 -													.0
18.0 -										.0			.4
17.5 -						.1	.1	.2		.1			1.0
17.0 -					.2	.4	.2	.1	.1				2.5
16.5 -					.2	.3	.4	.4	.2				7.7
16.0 -				.2	.7	3.6	3.0	.2	.0				13.9
15.5 -			.8	3.3	6.7	3.0			.1				19.7
15.0 -			2.1	8.8	6.8	1.9	.1						21.0
14.5 -			4.7	10.	5.0	.9	.2						18.0
14.0 -		.0	7.1	6.9	2.6	.4		.1					9.5
13.5 -	.1	1.2	4.1	3.1	.8	.2	.1						4.1
13.0 -		.6	1.9	1.1	.7								1.7
12.5 -		.4	1.0	.3									.5
12.0 -		.3	.2	.1									.0
11.5 +	.1	3.6	21.6	35.4	27.1	10.5	1.1	.4	.2	.0	.0	.1	100.0

SUMMARY STATISTICS

INTERSCYE BACK	MEAN	ST. DEV.	-R-	-N-
SHOULDER CIRCUMFERENCE	14.90	.93	.652	1331
	39.92	2.15		

BFS ANALYSIS COPY

BEST AVAILABLE COPY

TABLE 30

SHOULDER CIRCUMFERENCE AND INTERSCYE FRONT

SHOULDER CIRCUMFERENCE

16.0 +	32. +	34. +	36. +	38. +	40. +	42. +	44. +	46. +	48. +	50. +	52. +	54. +	56. +	.1
15.3 -														.0
15.2 -														.2
15.1 -							.1	.1		.1				.1
15.0 -							.5	.1						.8
14.3 -					.1	.1	.2	.6	.2	.1				1.4
14.2 -					.2	.2	.3	1.1	.5	.3				2.2
14.1 -					.3	1.1	.5	.3						4.0
14.0 -					.7	1.7	1.3	.3	.1					7.4
13.3 -			.6	.2	1.5	3.4	2.2		.2					8.9
13.2 -			.1	.5	2.5	7.6	2.1	.1	.0					11.2
13.1 -			.2	1.1	4.0	4.5	1.4		.0					16.2
13.0 -			.0	2.8	7.2	5.3	.9	.0						14.7
12.3 -			.1	3.6	6.7	3.5	.7	.1						12.7
12.2 -		.1	.5	3.7	6.2	1.9	.3							9.1
12.1 -			.5	4.0	2.4	1.2	.1							6.1
12.0 -			.8	2.9	2.1	.4								3.3
11.3 -			.4	1.6	1.2	.2								1.9
11.2 -			.5	1.1	.4									.4
11.1 -			.2	.2										.2
11.0 +	.1	3.6	21.6	35.4	27.1	10.5	1.1	.4	.2	.0	.0	.1	10.0	

SUMMARY STATISTICS

INTERSCYE FRONT	MEAN	ST	CV	-P-	-N-
SHOULDER CIRCUMFERENCE	12.36	39.52	2.15	.644	1231

TABLE 32

BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

BEST AVAILABLE COPY

BUST CIRCUMFERENCE

43.	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
42.	-														.0
41.	-														.0
40.	-														.1
39.	-														.1
38.	-														.0
37.	-														.2
36.	-														.9
35.	-														.5
34.	-														2.6
33.	-														5.5
32.	-														9.9
31.	-														15.2
30.	-														22.6
29.	-														17.7
28.	-														15.1
27.	-														8.3
26.	-														.8
25.	-														.4
24.	+	.1	+	.2	+	.1	+	.1	+	.4	+	.2	+	.1	100.0
		.1	+	.5	+	12.2	27.8	30.7	18.6	7.3	1.7	+	.0	+	

SUMMARY STATISTICS

CHEST CIRCUMFERENCE BELOW BUST	MEAN	ST. DV.	-R-	-N-
BUST CIRCUMFERENCE	35.46	1.98	.867	1331
	34.73	2.53		

TABLE 33

EUST CIRCUMFERENCE

SUMMARY STATISTICS

MAIST CIRCUMFERENCE	MEAN	ST. DEV.	-R-	-N-
MAIST CIRCUMFERENCE	27.56	2.72	.799	1331
MAIST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

TABLE 25

ELST CIRCUMFERENCE AND ARM SCYE CIRCUMFERENCE

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
20.5 +															.1
20.0 -															.0
19.5 -															.0
19.0 -															.1
18.5 -											.1				.3
18.0 -							.1	.1	.2	.1					.4
17.5 -							.1	.4	.4	.1		.1			1.1
17.0 -						.2	.5	.8	.4	.1	.1				2.0
16.5 -				.0	.1	1.1	2.1	1.8	.4						5.4
16.0 -				.1	.7	4.0	4.0	1.9	.2						10.8
15.5 -				.2	2.3	7.5	6.2	1.8							17.8
15.0 -				1.2	6.6	9.2	3.5	.5							21.0
14.5 -				2.2	9.1	6.7	1.7	.4							20.0
14.0 -			.4	4.3	6.6	2.0	.4		.1						13.7
13.5 -		.1	.1	3.5	1.9	.1									5.6
13.0 -		.3	.6	.4											1.5
12.5 -		.1	.1	.0	.1										.2
12.0 -		.1	.1	.1											.1
11.5 +	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0	

SUMMARY STATISTICS

ARM SCYE CIRCUMFERENCE	MEAN	ST DEV	-R-	-N-
ELST CIRCUMFERENCE	14.77	.95	.764	1331
	34.73	2.53		

BEST AVAILABLE COPY

TABLE 36
BUST CIRCUMFERENCE AND SHOULDER LENGTH

FUST CIRCUMFERENCE

26. +	28. +	30. +	32. +	34. +	36. +	38. +	40. +	42. +	44. +	46. +	48. +	50. +	52. +	
7.2 -						.1	.0							.1
7.1 -			.1	.2	.0	.4	.0	.1						.8
7.0 -			.1	.3	.7	.5	.1		.1				.1	1.8
6.3 -			.6	1.0	2.2	1.0	.3		.2		.1			5.3
6.2 -														
6.1 -	.1	.0	1.0	2.0	4.1	2.4	.5	.3						11.4
6.0 -		.2	1.8	5.7	5.5	5.1	1.8	.3	.1					20.4
5.3 -		.1	3.4	6.2	8.0	4.6	1.4	.3						24.3
5.2 -		.1	2.2	5.9	6.6	2.8	1.8	.4		.2				29.0
5.1 -		.2	2.1	3.5	2.2	1.4	.9	.1	.1					10.4
5.0 -		.1	.7	1.2	1.1	.5	.3	.2		.1				4.0
4.3 -			.3	.5	.3		.1							1.2
4.2 +	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

SHOULDER LENGTH	MEAN	ST	DV	-R-	-N-
BUST CIRCUMFERENCE	5.91			.127	131
	34.73		2.53		

TABLE 37
BUST CIRCUMFERENCE AND INTERSCYE BACK

BUST CIRCUMFERENCE														
	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
19.0	+	+	+	+	+	+	+	+	+	+	+	+	+	+
18.5	-													
18.0	-					.1	.1	.1		.0				.1
17.5	-					.4	.2	.1	.2	.1	.1	.1		.4
17.0	-		.1		.3	.5	.9	.4	.2	.1	.2			1.0
16.5	-				.9	2.3	3.0	1.2	.4					2.5
16.0	-			.8	2.5	5.3	3.0	2.7	.2					7.7
15.5	-		.0	1.5	5.0	6.2	5.3	1.4	.3					13.9
15.0	-		.1	2.2	6.8	7.3	3.3	1.1	.1	.1				19.7
14.5	-		.4	3.0	6.2	5.7	1.9	.7	.2					21.0
14.0	-	.1	.2	2.6	5.3	2.1	.8	.3	.1					18.0
13.5	-		.2	1.2	1.9	.6	.2	.1	.1					9.5
13.0	-			.6	.7	.3								4.1
12.5	-			.3	.2	.1								1.7
12.0	-													.5
11.5	+	+	+	+	+	+	+	+	+	+	+	+	+	.0
	.1	.5	12.2	27.8	70.7	16.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

INTERSCYE BACK	MEAN	ST	OV	-R-	-N-
BUST CIRCUMFERENCE	14.60	.93	.477	1331	
	34.73	2.53			

BEST AVAILABLE COPY

TABLE 38
BUST CIRCUMFERENCE AND INTERSCYE FRONT

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
16.0 +															.1
15.3 -															.0
15.2 -															.2
15.1 -												.1			.1
15.0 -															.8
14.3 -															1.4
14.2 -															2.2
14.1 -															4.0
14.0 -															7.4
13.3 -															8.9
13.2 -															11.2
13.1 -															16.2
13.0 -															14.7
12.3 -															12.7
12.2 -															8.1
12.1 -															6.1
12.0 -															3.3
11.3 -															1.9
11.2 -															.4
11.1 -															.2
11.0 +	.1	.9	12.2	27.8	3.7	18.6	7.7	1.7	.4	.2	.1	.0	.1	100.0	

SUMMARY STATISTICS

INTERSCYE FRONT	MEAN	ST DEV	-R-	-N-
BUST CIRCUMFERENCE	13.56	.69	.509	1331
	24.73	2.57		

TABLE 39

BUST CIRCUMFERENCE AND WAIST BACK

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
20.5 +						.1									.1
20.0 -						.2	.1								.2
19.5 -					.1	.1				.2					.3
19.0 -					.1	.5	.1	.1		.0				.1	1.0
18.5 -				.2	.1	.8	.3	.5	.1	.0					2.6
18.0 -				.3	.6	.8	.3	.5	.1	.0					5.2
17.5 -			.1	.7	1.4	1.1	1.4	.4	.1	.1	.1				7.8
17.0 -	.1		.7	.7	2.1	2.2	1.8	.7	.1	.1	.1	.1			17.0
16.5 -		.1	1.6	4.4	6.1	6.1	3.1	1.1	.5	.1	.2				17.8
16.0 -		.1	2.0	5.5	5.3	3.3	3.3	1.2	.3						17.6
15.5 -			2.4	4.6	6.0	6.0	3.4	.9	.4						15.0
15.0 -		.1	1.9	4.7	3.7	3.7	3.2	1.1	.2						10.0
14.5 -		.4	1.3	2.8	3.3	3.3	1.7	.5	.1						4.0
14.0 -		.2	.8	1.3	.8	.8	.5	.4							1.1
13.5 -			.4	.2	.5	.5	.1								.2
13.0 +	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	100.0
	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	.1	

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
WAIST BACK	12.68	1.04	.164	1331
BUST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 40

BUST CIRCUMFERENCE AND WAIST FRONT

EUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
19.0 -	+					.1									.1
18.5 -						.1	.1	.2							.3
18.0 -						.2	.1		.1	.1				.1	.6
17.5 -				.1		.1	.2	.3							.8
17.0 -				.1	.2	.4	.3	.4	.2	.2	.1				1.9
16.5 -			.1	.4	.6	1.6	.6	.6	.2						4.0
16.0 -				.2	1.0	1.9	1.9	.7	.4						6.2
15.5 -				1.1	3.0	3.8	3.9	2.1	.2	.1	.1				14.3
15.0 -				1.4	3.9	6.7	7.5	1.2	.3						17.0
14.5 -			.1	3.1	7.7	5.8	3.0	.6	.2	.1					20.6
14.0 -			.2	2.3	5.1	4.9	3.3	.6							16.0
13.5 -			.4	2.4	4.2	3.2	1.5	.6	.1						12.5
13.0 -		.1	.1	1.1	1.3	1.4	.5	.1							4.5
12.5 -		.1	.0	.4	.4	.4	.1								.8
12.0 -		.0		.2	.1										.3
11.5 -	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	109.0	

SUMMARY STATISTICS

WAIST FRONT	ST OV	-R-	-N-
14.46	1.02	.351	1331
34.73	2.53		

TABLE 41

BUST CIRCUMFERENCE AND NECK TO BUST POINT

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
13.5 +									.1						.1
13.0 -								.1	.1	.1					.2
12.5 -							.3	.2	.2	.1				.1	.7
12.0 -						.5	.3	.5	.2	.0					2.0
11.5 -					.5	2.3	2.2	1.9	.4	.1	.1				7.5
11.0 -				.2	2.0	5.1	4.5	2.8	.2	.1	.2	.1			15.0
10.5 -		.1		.8	4.4	7.5	6.5	1.3	.2						20.2
10.0 -			.2	2.9	6.4	9.7	3.0	.4	.2						24.6
9.5 -		.2		4.0	7.6	4.0	1.6	.1	.1						17.5
9.0 -		.4		2.7	4.2	1.5	.1	.2							9.1
8.5 -		.3		1.5	.7	.2	.1								2.7
8.0 -		.1		.1	.1										.3
7.5 -			.1												.1
7.0 +	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0	

SUMMARY STATISTICS

	MEAN	ST	CV	-P-	-N-
NECK TO BUST POINT	9.65		.82	.628	1331
BUST CIRCUMFERENCE	34.73	2.53			

BEST AVAILABLE COPY

TABLE 42

BUST CIRCUMFERENCE AND AXILLA TO WAIST

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	
14.0 +						.1									.1
13.5 -															.0
13.0 -															.4
12.5 -				.1		.1		.2							.7
12.0 -				.1	.1	.2	.2	.0						.1	
11.5 -				.2	.2	.4	.1	.3	.1						1.2
11.0 -				.2	.3	.4	.4	.1	.1		.1				1.4
10.5 -			.1	.4	1.0	1.5	.7	.3	.1	.2	.1				4.3
10.0 -		.1	.1	.9	2.7	2.6	1.5	.7	.1						8.5
9.5 -		.1	2.0	4.1	4.1	2.7	1.3	.2	.1						14.5
9.0 -	.1	.1	2.3	5.8	6.4	2.7	1.4	.5	.1	.1		.1			19.5
8.5 -		.3	2.7	5.2	6.2	4.6	1.3	.4							20.7
8.0 -		.2	2.3	4.3	4.9	3.8	1.4	.1	.1						16.9
7.5 -		.2	.8	2.9	2.6	1.5	.3	.1							8.3
7.0 -		.1	.2	.9	1.2	.5	.1								2.9
6.5 -			.2	.3	.1										.6
6.0 +	.1	.5	12.2	27.6	30.7	18.6	7.3	1.7	.4	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

AXILLA TO WAIST	MEAN	ST DEV	-8-	-N-
BUST CIRCUMFERENCE	34.73	2.53	.096	1331

TABLE 43

BUST CIRCUMFERENCE AND SLEEVE INSEAM

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
21.5 +					.2									.2
21.0 -					.2	.2	.1	.1						.5
20.5 -				.2	.1	.3	.4	.1		.2				1.2
20.0 -				.5	.5	.9	.7	.1				.0		2.7
19.5 -		.0	.4	1.7	2.6	1.5	.7	.1				.1		7.1
19.0 -		.1	1.1	2.2	4.5	2.1	.8	.3	.1					11.2
18.5 -	.1		1.5	4.3	4.4	3.1	1.7	.2		.0			.1	15.3
18.0 -		.2	2.0	5.8	5.6	3.9	1.3	.3	.2	.2				19.4
17.5 -		.3	3.0	5.3	5.6	2.5	.5	.5		.0				18.2
17.0 -		.2	2.2	4.1	3.6	2.5	.7	.1						13.2
16.5 -		.2	1.1	2.5	2.0	.9	.5	.2						7.4
16.0 -		.1	.4	.9	.7	.4	.2							2.8
15.5 -			.0	.0	.2	.2	.1							.4
15.0 -					.1	.2	.1							.3
14.5 -					.1	.2	.1							.1
14.0 +	.1	.5	12.2	27.8	33.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
SLEEVE INSEAM	17.74	1.03	.120	1331
BUST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

TABLE 44

BUST CIRCUMFERENCE AND SLEEVE OUTSEAM

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
25.5 +														
25.0 -														.2
24.5 -														.1
24.0 -														.5
23.5 -														2.0
23.0 -														4.0
22.5 -														7.2
22.0 -														10.8
21.5 -														12.5
21.0 -														17.3
20.5 -														15.0
20.0 -														15.3
19.5 -														9.9
19.0 -														3.8
18.5 -														1.5
18.0 -														.7
17.5 -														.1
17.0 +														.1
	.1	.5	12.2	27.8	30.7	10.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DV	-R-	-N-
SLEEVE OUTSEAM	31.18	1.17	.200	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 45

WAIST CIRCUMFERENCE AND HIF CIRCUMFERENCE

WAIST CIRCUMFERENCE

54.	22.	24.	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
								.1						.1	.1
52.	-							.0							.0
50.	-														.1
48.	-								.1	.1	.1				.2
46.	-				.1	.1	.2	.2	.1	.1	.1				.6
44.	-			.1	.9	.5	.7	.4	.4	.2					3.1
42.	-		.1	1.8	3.3	3.2	1.1	1.3	.2						10.8
40.	-		1.1	9.0	9.7	5.3	1.5	.2	.1						26.9
38.	-		6.0	13.7	9.5	2.5	.3	.1							32.5
36.	-	.3	9.9	6.4	1.4	.2									19.0
34.	-	1.1	3.4	1.3											6.0
32.	-	.2	.2	.2											.6
30.	+	3.0	20.7	32.5	24.9	11.8	3.7	2.2	.8	.0	.4	.0	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST	DEV	-P-	-N-
HIF CIRCUMFERENCE	27.61	2.51		.709	1331
WAIST CIRCUMFERENCE	27.96	2.72			

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 46
WAIST CIRCUMFERENCE AND SHOULDER LENGTH

		WAIST CIRCUMFERENCE															
		22.	24.	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.		
7.2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
7.1	-	.1	.2	.2	.2	.2	.0		.1						.1		
7.0	-		.3	.5	.6	.2			.1						.8		
6.3	-																
6.2	-	.0	.6	1.5	1.7	.9	.1	.2	.1	.2				.1	1.8		
6.1	-	.3	1.5	3.2	3.3	1.4	.3	.3	.0						5.3		
6.0	-	.6	4.4	5.9	5.2	2.8	.9	.4	.4						11.4		
5.3	-	.5	5.5	8.4	5.8	2.8	1.0	.7	.1						20.4		
5.2	-	.7	3.4	6.8	5.1	2.4	.8	.6	.1			.2			24.3		
5.1	-	.4	2.8	3.4	2.3	1.0	.5	.1	.0						20.0		
5.0	-	.2	1.0	1.3	.6	.2	.2	.2	.1			.1			10.4		
4.3	-		.4	.6	.1			.1							4.0		
4.2	+	.1	.2	.7	.1										1.2		
		2.0	20.7	32.5	24.9	11.8	3.7	2.2	.8	.0	.0	.4	.0	.0	.1	100.0	

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
SHOULDER LENGTH	5.91	.42	.082	1331
WAIST CIRCUMFERENCE	27.96	2.72		

TABLE 47

WAIST CIRCUMFERENCE AND CROTCH LENGTH

WAIST CIRCUMFERENCE

	22.	24.	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.
40.	+	+	+	+	+	+	+	+	+	+	+	+	+	+
39.	-													.1
38.	-													.0
37.	-													.0
36.	-													.0
35.	-													.0
34.	-			.1	.2	.1		.1					.1	.5
33.	-			.2	.5	.1	.3	.1	.1	.2				1.7
32.	-		.3	.8	1.2	.4	.2	.2	.1					3.2
31.	-		.7	2.4	1.9	1.4	.5	.2		.2				7.2
30.	-	.1	1.1	5.2	5.7	2.8	.6	.6	.2					15.8
29.	-	.2	3.3	7.3	4.6	1.7	.6	.2	.2					18.2
28.	-	.6	4.6	5.3	4.6	2.1	.6	.2		.1				18.4
27.	-	.7	4.6	5.6	2.9	1.4	.2	.1	.1					15.8
26.	-	.5	3.2	3.5	2.5	.8		.1						10.7
25.	-	.6	1.4	.7	.5	.5	.2	.2						4.1
24.	-	.2	.6	.7	.7	.2	.2							2.6
23.	-		.2	.2	.2	.1	.1							.8
22.	-	.1	.1	.1	.2	.2	.1	.1						.8
21.	-			.2	.1			.1						.3
20.	+	3.0	20.7	32.5	24.9	11.8	3.7	2.4	.8	.0	.4	.0	.0	.1 103.0

SUMMARY STATISTICS

	MEAN	ST. DV.	-R-	-N-
CROTCH LENGTH	28.71	2.15	.269	1331
WAIST CIRCUMFERENCE	27.98	2.72		

TABLE 48

UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

16.0 +	17.0 +	18.0 +	19.0 +	20.0 +	21.0 +	22.0 +	23.0 +	24.0 +	25.0 +	26.0 +	27.0 +	28.0 +	29.0 +	30.0 +	31.0 +	32.0 +	.1
17.5 -								.0	.2	.2	.2	.1	.1				.0
17.0 -								.2	.2	.3	.4	.3	.2				.5
16.5 -									.1	.2	.2	.1					.8
16.0 -																	1.6
15.5 -						.2	.1	.8	1.6	1.0	.3	.2					4.2
15.0 -						.6	1.9	3.8	2.8	1.2	.5	.1					10.9
14.5 -					.1	2.2	4.8	6.4	3.1	.5	.2						17.2
14.0 -																	23.1
13.5 -					.1	2.1	4.6	8.5	5.5	2.0	.7	.1					19.9
13.0 -					.2	1.5	3.6	7.3	4.9	2.1	.4						14.3
12.5 -					.1	.4	2.2	5.0	3.9	2.2	.5	.1					5.8
12.0 -					.3	1.0	2.0	1.2	.6	.6	.1						1.7
11.5 -					.2	.5	.8	.2									.1
11.0 +	.1	.5	2.1	6.7	12.1	19.2	27.0	19.3	16.4	7.4	2.0	.7	.3	.0	.0	.1	100.0

SUMMARY STATISTICS

KNEE CIRCUMFERENCE	MEAN	ST	DV	-R-	-N-
UPPER THIGH CIRCUMFERENCE	13.71	.89	.740	1331	
	22.41	1.81			

TABLE 49

KNEE CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

KNEE CIRCUMFERENCE

10.0 +	11.0 +	11.5 +	12.0 +	12.5 +	13.0 +	13.5 +	14.0 +	14.5 +	15.0 +	15.5 +	16.0 +	16.5 +	17.0 +	17.5 +	18.0 +	
9.3 -								.1	.1	.1	.1		.1		.1	
9.2 -								.2	.3	.4	.1	.2	.1			.4
9.1 -						.0	.2	.3	.4	.8	.6	.3	.2			1.3
9.0 -						.1	.3	.4	.8	.6	.3	.2	.2			2.9
8.3 -					.0	.4	1.0	2.5	2.5	1.2	.2	.1	.2			8.1
8.2 -				.2	.5	3.6	3.4	2.2	.6	.4	.2					11.6
8.1 -			.1	1.1	2.2	4.0	4.8	2.8	1.1	.4	.1					18.0
8.0 -			.3	2.4	5.3	6.2	3.3	1.2	.4		.0					19.2
7.3 -			1.3	4.7	6.5	4.2	1.7	.5	.1		.1					19.0
7.2 -		.2	1.2	3.0	3.4	2.2	.5	.4								10.8
7.1 -		.8	1.8	1.6	.6	.5	.2									5.6
7.0 -		.4	.8	.5	.1	.0	.1									2.5
6.3 -		.2	.2	.1												.5
6.2 +	.0 +	.1 +	.1 +													.2
	.1 +	1.7 +	5.8 +	14.0 +	19.5 +	23.1 +	17.2 +	10.5 +	4.2 +	1.6 +	.8 +	.5 +	.0 +	.1 +	100.0	

SUMMARY STATISTICS

ANKLE CIRCUMFERENCE	MEAN	ST DV	-R-	-N-
KNEE CIRCUMFERENCE	5.16	.49	.603	1331
	12.71	.89		

TABLE 5.1

SHOULDER LENGTH AND INTERSCYE BACK

SHOULDER LENGTH													
4.2	4.3	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.3	7.0	7.1	7.2	
15.0	4.2	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.3	7.0	7.1	7.2	.1
18.5	-												.0
18.0	-						.1		.0	.1	.0	.0	.4
17.5	-				.1		.4	.2	.1	.1	.1	.1	1.0
17.0	-				.2	.4	.5	.7	.3	.2	.1		2.5
16.5	-	.1			.8	1.3	1.8	2.1	.8	.5	.2		7.7
16.0	-			.1	.7	1.8	3.3	4.0	.8	.5	.2		13.9
15.5	-	.4	1.2	4.1	5.0	4.8	2.4	1.4	.2	.1			15.7
15.0	-	.4	2.2	4.0	6.1	5.0	1.4	1.1	.0	.2			21.0
14.5	-	.0	.5	2.1	4.7	5.3	2.6	1.4	.3	.1			18.0
14.0	-	.0	.2	2.3	2.5	1.9	1.1	.5	.1				9.5
13.5	-	.2	.1	1.2	.9	.7	.1	.2	.2				4.1
13.0	-		.2	.3	.5	.1	.1	.2					1.7
12.5	-	.1	.2	.1	.0	.1	.0						.5
12.0	-					.0							.0
11.5	+	.2	1.2	4.0	10.4	20.0	24.3	20.4	11.4	5.3	1.8	+	.1 100.0

SUMMARY STATISTICS

INTERSCYE BACK	MEAN	ST DV	-R-	-N-
SFCULDER LENGTH	14.90	.93	.478	1331
	5.91	.42		

TABLE F1

SHOULDER LENGTH AND INTERSCYE FRONT

SHOULDER LENGTH

16.0 +	4.2	4.2	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.7	7.0	7.1	7.2	.1
15.3 -								.2	.1	.1				.0
15.2 -														.2
15.1 -											.0			.1
15.0 -								.1	.2	.1	.1	.2	.1	.8
14.3 -					.1	.2	.2	.2	.3	.2	.2	.2	.0	1.4
14.2 -			.1		.2	.3	.4	.7	.3	.2	.2	.1		2.2
14.1 -				.1	.2	.7	.6	1.0	1.0	.5	.5			4.0
14.0 -			.1	.1	.8	1.4	2.1	1.4	1.0	.2	.2	.2		7.4
13.3 -			.1	.5	1.4	1.9	2.3	1.9	.8	.2				8.9
13.2 -			.1	.8	2.2	2.9	2.8	1.4	.8	.2				11.2
13.1 -			.1	.4	1.0	2.3	3.6	2.7	.8	.2	.1			16.2
13.0 -			.1	.2	1.2	3.1	4.7	3.6	1.5	.4	.0			14.7
12.7 -		.1	.2	1.0	2.2	3.5	2.9	2.1	.5	.3	.0			12.7
12.2 -		.0	.2	.6	1.2	2.2	2.3	1.3	.3					9.1
12.1 -		.1	.3	.7	1.4	1.3	1.1	.5	.1					6.1
12.0 -		.0	.1	.4	1.0	.3	.7	.2						3.3
11.3 -		.1	.1	.1	.7	.3	.2	.0						1.9
11.2 -		.1	.1	.1	.1	.1	.1	.0						.4
11.1 -		.0	.0	.1	.1	.1								.2
11.0 +	.7	1.2	4.0	10.4	20.3	24.3	27.4	11.4	5.3	1.8	.8	.1	100.0	

SUMMARY STATISTICS

INTERSCYE FRONT	MEAN	ST	DV	-P-	-N-
SHOULDER LENGTH	13.08	.69	.42	.529	1331

BEST AVAILABLE COPY

TABLE 52

SHOULDER LENGTH AND SLEEVE OUTSEAM

SHOULDER LENGTH

25.5 -	4.2	4.3	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.3	7.0	7.1	7.2	.2
25.0 -					.1	.1								.1
24.5 -				.1		.1	.2	.1	.1	.1				.5
24.0 -				.1	.5	.4	.5	.7	.2	.2				2.0
23.5 -				.1	.2	.6	.8	.9	.3	.3	.0			4.0
23.0 -			.2	.5	.8	1.7	1.8	1.0	.7	.4	.1	.1	7.2	
22.5 -		.1	.7	1.7	2.5	2.2	2.0	1.0	.3	.3	.2	.0	10.8	
22.0 -		.4	.9	2.4	3.3	3.1	1.3	.8	.2	.1	.1	.0	12.5	
21.5 -	.2	.1	.6	1.4	3.3	4.7	3.6	2.1	1.1	.2	.0		17.3	
21.0 -		.1	.2	.6	2.3	3.0	3.3	1.4	.5	.2	.1		15.0	
20.5 -		.2	.8	1.5	3.7	4.4	2.4	1.5	.4	.2	.2		15.3	
20.0 -		.1	.2	.4	1.6	2.6	2.0	1.3	.5	.2	.1		8.9	
19.5 -		.0	.4	.4	.6	.9	.7	.5	.2	.1			3.8	
19.0 -			.3	.2	.3	.3	.3	.3	.1				1.5	
18.5 -			.2	.2	.2	.2	.2	.1					.7	
18.0 -					.1	.1	.1						.1	
17.5 -					.1								.1	
17.0 +	.7	1.2	4.0	10.4	20.0	24.3	26.4	11.4	5.3	1.6	.8	.1	100.0	

SUMMARY STATISTICS

SLEEVE OUTSEAM	MEAN	ST	DV	-D-	-N-
SHOULDER LENGTH	21.18	1.17	.292	1331	
	5.91	.42			

TABLE 53

INTERSCYE BACK AND INTERSCYE FRONT

INTERSCYE BACK

18.0 +	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	.1
15.0 -																	.0
15.2 -												.1					.2
15.1 -																	.1
15.0 -									.0	.1							.8
14.3 -							.1	.5	.2	.3	.1	.2				.1	1.4
14.2 -					.0	.1	.1	.2	.5	.0	.5	.2	.0	.0			2.2
14.1 -			.1	.2	.2	.4	.3	.7	1.2	.5	.2	.2	.2	.1			4.0
14.0 -																	7.4
13.3 -		.0	.0	.3	1.0	1.2	2.0	1.0	1.0	1.2	.3	.2					8.9
13.2 -		.1	.7	.6	1.4	1.4	1.4	1.9	1.5	1.3	.7	.1					11.2
13.1 -		.0	.1	.2	.2	1.6	2.5	2.3	1.6	1.3	.3	.2					16.2
13.0 -		.1	.5	1.3	2.8	4.1	7.6	2.7	.9	.3							14.7
12.3 -		.1	.7	1.2	3.2	3.6	3.1	1.6	.7	.7	.1						12.7
12.2 -		.2	.4	.6	1.6	2.5	4.6	3.0	1.0	.7	.0						8.1
12.1 -		.1	.4	.4	1.3	1.7	2.0	1.0	.9	.2	.1						6.1
12.0 -		.2	.7	.9	1.9	.6	.7	.7	.2								3.3
11.3 -		.3	.2	.6	.6	1.0	.4	.3	.1			.1					1.0
11.2 -		.1	.2	.4	.5	.2	.3	.1									.4
11.1 -		.1	.1	.2	.1												.2
11.0 +	.0	.5	1.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	100.0

SUMMARY STATISTICS

	MEAN	ST	OV	-R-	-N-
INTERSCYE FRONT	13.00	.69	.386	1331	
INTERSCYE BACK	14.90	.93			

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TABLE 54

INTERSCYE BACK AND WAIST BACK

INTERSCYE BACK

11.5 +	12.0 +	12.5 +	13.0 +	13.5 +	14.0 +	14.5 +	15.0 +	15.5 +	16.0 +	16.5 +	17.0 +	17.5 +	18.0 +	18.5 +	19.0 +	.1
20.5 -																.2
20.0 -							.2	.1					.1	.0		.3
19.5 -			.1				.2	.3	.2	.0	.1				.1	1.0
19.0 -				.1	.3	.2	.5	.6	.4	.4	.1	.0	.1			2.6
18.5 -				.1	.3	.5	.5	1.2	.7	1.0	.2	.1				5.2
18.0 -		.1	.3	.5	.7	.8	1.5	1.5	1.2	1.3	.2	.1	.2			7.8
17.5 -		.2	.6	.9	3.1	3.2	3.2	3.1	1.3	.9	.2	.2	.1			17.0
17.0 -		.3	.7	1.9	3.1	3.9	3.7	2.5	1.3	.4	.2					17.8
16.5 -	.0	.1	.6	1.5	3.2	3.9	4.2	2.3	1.0	.2	.2					17.6
16.0 -		.4	.5	1.3	3.3	3.1	3.7	1.7	1.0	.2	.1					15.0
15.5 -	.0	.2	.4	.8	1.1	2.2	2.2	1.7	1.2	.3	.2					10.0
15.0 -	.0	.3	.8	1.1	2.2	2.2	1.7	1.2	.3	.3						4.0
14.5 -		.1	.2	.7	1.2	.8	.5	.2	.3							1.1
14.0 -		.1	.1	.4	.2	.3	.1									.2
13.5 -		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	100.0
13.0 +	.0	.5	1.7	4.1	9.5	18.0	21.0	19.7	13.9	7.7	2.5	1.0	.4	.0	.1	

SUMMARY STATISTICS

WAIST BACK	INTERSCYE BACK	MEAN	ST DEV	-R-	-N-
		16.58	1.04	.227	1331
		14.90	.93		

TABLE 99

INTERSCYE FRONT AND WAIST FRONT

INTERSCYE FRONT

19.0	11.0	11.1	11.2	11.3	12.0	12.1	12.2	12.3	13.0	13.1	13.2	13.3	14.0	14.1	14.2	14.3	15.0	15.1	15.2	15.3	16.0	.1
18.5	-								.1	.1			.2									.3
18.0	-								.2	.1			.1			.2				.1		.6
17.5	-										.2	.1										.8
17.0	-						.0	.2	.1	.2	.2	.1										1.9
16.5	-						.2		.1	.4	.3	.4	.2	.1	.1		.1					4.0
16.0	-					.0	.6	.5	.4	.7	.7	.2	.8	.3	.1							6.2
15.5	-	.1		.3	.0	.0	.2	.4	1.0	.9	.7	.6	.5	.6	.3	.0	.2	.1				14.3
15.0	-		.2	.2	.2	.5	.9	2.8	3.2	3.2	3.0	1.7	1.5	.7	.2	.2	.0	.0	.1			17.0
14.5	-		.3	.4	.8	1.2	1.5	2.5	2.7	1.8	2.5	1.4	.9	.7	.4	.3						20.6
14.0	-	.2	.2	1.1	2.0	1.9	2.6	2.6	2.6	2.3	1.3	1.3	.6	.2	.4	.1						16.0
13.5	-	.2	.6	.4	.9	1.6	2.9	2.4	2.4	1.5	1.3	.7	.5	.2	.2							12.5
13.0	-	.1	.1	.4	.8	1.4	1.5	2.5	1.9	1.4	1.1	.5	.5	.1	.2		.1					4.5
12.5	-		.2	.2	.3	.5	.7	.6	.7	.7	.7	.2	.1	.2	.1							.8
12.0	-	.1	.1	.6	.2	.1	.1	.1	.2	.1	.1	.1	.0	.0								.3
11.5	+	.2	.4	1.5	3.5	6.1	8.1	12.7	14.7	16.2	11.2	8.9	7.6	4.7	2.2	1.4	.5	.1	.2	.0	.1	100.0

SUMMARY STATISTICS

WAIST FRONT	MEAN	ST. DEV.	-2S	-1S	-N-
INTERSCYE FRONT	14.48	1.03	.262	.131	
	17.16	.89			

TABLE 58

WAIST BACK AND WAIST FRONT

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
19.0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
18.5	-															.1
18.0	-														.1	.3
17.5	-													.1	.1	.6
17.0	-													.1	.0	.8
16.5	-															1.9
16.0	-															4.0
15.5	-															6.2
15.0	-															14.3
14.5	-															17.0
14.0	-															20.6
13.5	-															16.0
13.0	-															12.5
12.5	-															4.5
12.0	-															.8
11.5	+	.2	1.1	4.0	10.0	15.0	17.6	17.6	17.6	17.6	7.8	5.2	2.6	1.0	.2	.1 100.0

SUMMARY STATISTICS

WAIST FRONT	MEAN	ST DEV	-R-	-N-
WAIST BACK	14.46	1.03	.602	1331
	16.08	1.04		

TABLE 57

WAIST BACK AND NECK TO BUSTPOINT

WAIST BACK

13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	
13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5		
12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0
11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5
11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5
10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0
8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0
7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0

SUMMARY STATISTICS

NECK TO BUSTPOINT
WAIST BACK

MEAN ST LV -R- -N-
6.95 .82 .159 1331
16.68 1.04

WAIST FACK AND AXILLA TO WAIST

WAIST BACK

[illegible]

SUMMARY STATISTICS

AXILLA TO WAIST	MEAN	ST DEV	-D-	-N-
WAIST BACK	9.09	.00	.659	1.331
	16.08	1.04		

TABLE 59

WAIST BACK AND SLEEVE INSEAM

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
21.0 -								.1		.1						.2
20.5 -							.1		.1	.1			.1			.5
20.0 -			.1	.1	.2	.0	.1	.4	.2	.1	.0	.0			.1	1.2
19.5 -			.1	.2	.1	.4	.2	.9	.4	.4	.2	.1				2.7
19.0 -			.2	.1	.8	.6	.9	1.4	1.5	.6	.3	.2	.1	.2		7.1
18.5 -		.1	.3	.8	1.5	2.4	1.7	2.4	.8	.9	.3		.1			11.2
18.0 -		.1	.6	1.2	2.6	2.8	2.8	2.7	1.2	.7	.7	.3		.1		15.3
17.5 -		.1	.2	.3	1.3	2.3	2.6	4.7	3.8	2.0	1.1	.6	.2	.1		19.4
17.0 -		.0	.3	1.1	2.0	2.9	3.9	3.9	2.2	.6	.8	.5	.2			18.2
16.5 -		.1	.7	2.4	2.1	2.4	1.9	2.1	.6	.5	.3		.1			13.2
16.0 -		.2	.5	1.3	1.9	1.2	1.0	.8	.4	.1						7.4
15.5 -		.1	.2	.3	.6	.7	.6	.1								2.8
15.0 -			.1	.2	.0	.1	.0	.1								.4
14.5 -				.2	.1											.3
14.0 +	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
13.5 +	.2	1.1	4.0	10.0	15.0	17.6	17.8	17.0	7.8	5.2	2.6	1.0	.3	.2	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-B-	-N-
SLEEVE INSEAM	17.74	1.03	.296	1331
WAIST BACK	16.18	1.04		

TABLE 60

WAIST BACK AND SLEEVE OUTSEAM

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
25.5 +									.1							.2
25.0 -																.1
24.5 -									.1							.5
24.0 -					.1	.2	.2	.3	.5	.2	.2	.1	.0		.1	2.0
23.5 -			.1	.1	.3	.8	.3	1.2	.5	.5	.2	.1	.1	.1		4.0
23.0 -			.1	.0	.3	.5	1.0	1.2	1.4	.8	.1	.2	.3	.2		7.2
22.5 -			.1	.2	.4	1.1	2.4	1.7	2.2	1.0	.6	.6	.3	.2		10.8
22.0 -		.1	.2	.9	1.7	2.3	2.0	2.5	1.4	.5	.8					12.5
21.5 -		.2	.1	.5	1.4	2.2	2.9	3.9	3.0	1.2	1.0	.4	.1	.1		17.3
21.0 -		.4	.4	1.9	2.4	3.1	2.8	2.2	.8	.7	.2	.1				15.0
20.5 -		.2	.8	1.5	2.9	3.1	3.1	2.1	.7	.7	.2	.2	.1			15.3
20.0 -		.1	.5	2.0	1.3	1.3	1.3	1.6	.2		.1	.1				8.9
19.5 -		.1	.1	.6	1.3	.7	.7	.3	.1							3.8
19.0 -		.1	.1	.6	.3	.2	.2		.1	.1	.0					1.5
18.5 -		.2		.1	.2	.0	.1	.1	.1							.7
18.0 -				.1			.1									.1
17.5 -				.1												.1
17.0 +	.2	1.1	4.0	10.0	15.0	17.6	17.6	17.8	17.0	7.3	5.2	2.6	1.0	.3	.2	.1 100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
SLEEVE OUTSEAM	21.18	1.17	.313	1331
WAIST BACK	16.08	1.04		

TABLE 41
 WAIST BACK AND CATCH LENGTH

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	
39.0				.1	.1	.1			.1				.1				.1
39.5				.1	.2	.3	.3	.2									.0
40.0				.1	.2	.5	.5	.4	.7	.4	.3	.0					.0
40.5			.1	.2	.5	1.3	1.6	1.2	1.2	.7	.4	.1	.2	.1			.0
41.0		.1	.1	.2	.5	2.7	2.7	2.9	3.0	1.1	1.1	.2	.2	.1			.0
41.5			.1	.2	.5	1.8	2.7	3.3	2.6	3.6	1.5	.9	.7	.2			.0
42.0			.1	.2	.5	2.3	3.2	3.1	3.5	2.7	1.0	1.1	.5	.0			.0
42.5		.1	.2	.5	2.0	2.4	3.0	2.8	2.1	1.2	.5	.2	.1				.0
43.0		.1	.2	.5	.9	1.0	1.8	2.0	1.9	.8	.3	.7	.1				.0
43.5			.2	.5	.6	.7	.6	.9	.4	.3	.2	.4					.0
44.0			.2	.5	.3	.2	.6	.1	.5	.1	.2	.7	.0				.0
44.5				.0	.0	.0	.0	.2	.1	.1	.1	.0	.1				.0
45.0					.1		.1	.2	.2	.2	.1	.1	.1				.0
45.5					.2												.0
46.0																	.0
46.5																	.0
47.0																	.0
47.5																	.0
48.0																	.0
48.5																	.0
49.0																	.0
49.5																	.0
50.0																	.0

SUMMARY STATISTICS

CATCH LENGTH	MEAN	ST. DEV.	-2S	-1S	0	+1S	+2S
WAIST BACK	28.71	2.15	-0.36	1.31	13.51	16.16	1.94

WAIST FRONT AND AXILLA TC WAIST

WAIST FRONT

11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5
13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0
13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0
12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5
11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5
10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0
9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0
8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5

SUMMARY STATISTICS

AXILL A TC WAIST
WAIST FF CNT

MEAN 5.99 1.03
ST DV .99 1.03
-R- .70
-N- 1331

TABLE 62

WAIST FRONT AND SLEEVE INSEAM

WAIST FRONT

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	
21.5 +							.1	.1									.2
21.0 -						.0	.1	.1	.2	.1							.5
20.5 -				.1	.2	.2	.1	.3	.2	.1		.0	.1				1.2
20.0 -			.3	.4	.4	.4	.6	.5	.2	.1			.1				2.7
19.5 -			.2	.4	.7	1.8	1.3	1.4	.3	.6	.2	.1		.2			7.1
19.0 -		.4	1.2	1.6	2.1	2.4	2.4	1.7	.9	.5	.2	.1	.1				11.2
18.5 -	.1	.1	.8	2.2	2.5	2.4	3.2	1.6	1.1	.7	.2	.1	.1		.1		15.3
18.0 -	.1	.2	.5	1.6	2.5	4.5	2.8	3.3	1.5	.8	.6	.2	.2	.1			19.4
17.5 -	.1	.2	.5	2.6	3.1	4.1	3.5	1.8	1.1	.6	.2	.1	.1				18.2
17.0 -		.2	.5	2.1	2.2	2.7	1.8	2.0	.3	.6	.2	.2					13.2
16.5 -		.5	.5	1.3	1.5	1.6	.7	1.1	.4	.2	.1	.1					7.4
16.0 -	.6	.1	.2	.6	.5	.7	.2	.3	.2								2.8
15.5 -			.1	.1	.2	.0	.0		.1								.4
15.0 -					.2		.1	.1									.2
14.5 -					.1												.1
14.0 +	.3	.8	.8	4.5	12.5	16.0	20.6	17.0	14.3	8.2	4.0	1.9	.8	.6	.3	.1	100.0

SUMMARY STATISTICS

SLEEVE INSEAM	MEAN	ST DEV	-R-	-N-
WAIST FRONT	17.74	1.03	.155	1331
	14.46	1.03		

TABLE 64

WAIST FRONT AND SLEEVE OUTSEAM

WAIST FRONT

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	
25.5 +							.1	.1									.2
25.0 -						.0	.1										.1
24.5 -					.1	.0			.2								.5
24.0 -				.0	.3	.6	.3	.3	.2	.1		.0	.2	.1			2.0
23.5 -				.1	.2	.4	.6	.6	1.1	.4	.2	.1	.2				4.0
23.0 -			.3	.4	1.1	1.2	2.0	1.4	.5	.2	.2	.2					7.2
22.5 -			.5	1.2	1.2	2.1	2.0	1.5	.8	.8	.4	.0	.2	.1			10.8
22.0 -	.1	.2	.4	1.3	1.8	2.3	2.4	1.8	.9	.6	.5	.1	.1	.1			12.5
21.5 -		.1	.5	2.0	2.5	4.3	3.0	2.4	1.2	.7	.2	.3	.1		.1		17.3
21.0 -		.2	.5	2.1	2.7	3.0	2.9	2.0	.8	.7	.1	.1					15.0
20.5 -	.0	.2	1.0	1.9	2.6	3.6	2.1	2.1	.9	.5	.2	.2	.1	.1			15.3
20.0 -		.2	.5	2.1	1.7	1.7	1.2	.7	.1	.1	.2	.1	.1				8.9
19.5 -			.1	.9	.7	.8	.4	.6	.2	.1							3.8
19.0 -	.0	.1	.2	.3	.5	.2	.1	.2		.1							1.5
18.5 -		.1	.2	.3	.1	.1	.0		.0								.7
18.0 -					.1			.1									.1
17.5 -	.0				.1												.1
17.0 +	.3	.8	.4	12.5	16.0	20.6	17.0	14.3	6.2	4.0	1.9	.8	.6	.3	.1	100.0	

SUMMARY STATISTICS

	MEAN	ST	DV	-R-	-N-
SLEEVE OUTSEAM	21.18	1.17	.213	1331	
WAIST FRONT	14.46	1.03			

TABLE 65

SLEEVE INSEAM AND SLEEVE OUTSEAM

SLEEVE INSEAM

	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	
25.5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.2
25.0	-														.1		.1
24.5	-														.2		.5
24.0	-														.2		2.0
23.5	-														.1		4.0
23.0	-																7.2
22.5	-																10.8
22.0	-																12.5
21.5	-																17.3
21.0	-																15.0
20.5	-																15.3
20.0	-																6.9
19.5	-																3.8
19.0	-																1.5
18.5	-																.7
18.0	-																.1
17.5	-																.1
17.0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.2

SUMMARY STATISTICS

	MEAN	ST	CV	-R-	-N-
SLEEVE OUTSEAM	21.18	1.17	.096	1331	
SLEEVE INSEAM	17.74	1.03			

HEAD CIRCUMFERENCE AND HEAD GROWTH

HEAD CIRCUMFERENCE

[illegible]

SUMMARY STATISTICS

	MEAN	ST DEV	-P-	-N-
HEAD READOUT	1.05	.21	.54*	1331
HEAD CIRCUMFERENCE	21.62	.67		

TABLE 67

HEAD CIRCUMFERENCE AND HEAD LENGTH

[illegible]

SUMMARY STATISTICS

[illegible]

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TABLE 68
HEAD LENGTH AND HEAD BREADTH

HEAD BREADTH

	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	6.0	6.1	6.2	6.3	6.4	6.5
8.2	+	+	+	+	+	+	+	+	+	+	+	+	+	+
8.1	-					.1	.1	.1	.1	.0	.0			.3
8.0	-						.2	.1	.0	.0	.1		.0	.5
7.7	-						.1	.4	.5	.4	.0	.2	.1	2.2
7.6	-		.1	.0		.7	.6	.9	.3	.3	.2			3.9
7.5	-			.1	.6	1.5	2.4	1.9	2.1	.8	.4	.2		9.9
7.4	-		.2	.4	1.9	3.3	3.4	2.6	1.0	.1	.1	.1		13.3
7.3	-	.1	.0	.5	1.2	2.9	4.2	3.2	2.4	1.4	.7	.4	.0	16.6
7.2	-		.1	.8	1.3	4.3	6.3	4.2	2.7	1.1	.5	.2	.3	21.6
7.1	-		.2	.6	1.4	3.2	3.5	2.2	2.1	1.0	.3	.3	.0	14.7
7.0	-		.0	.4	.9	1.5	2.0	1.7	1.5	.6	.1			9.7
6.7	-	.1	.3	.5	.5	.8	1.2	.9	.5	.4	.2	.1		5.0
6.6	-		.0	.0	.2	.3	.5	.7	.4	.0	.1			2.2
6.5	-					.2	.2	.1		.1				.7
6.4	-						.1	.2		.1				.3
6.3	-					.0	.1							.1
6.2	+	.1	.4	2.8	6.7	17.6	24.9	20.0	15.9	7.2	2.4	1.6	.4	.0 105.0

SUMMARY STATISTICS

	MEAN	ST	CV	-P-	-N-
HEAD LENGTH	7.77	.26		.162	1231
HEAD BREADTH	5.75	.21			

FACE LENGTH AND PALM LENGTH

HAND LENGTH

[illegible]

SUMMARY STATISTICS

FALL	LENGTH	MEAN	ST. DEV.	-2-	-1-
1967	1.59	1.21	.90	1967	1968
1968	1.59	1.21	.90	1968	1969
1969	1.59	1.21	.90	1969	1970
1970	1.59	1.21	.90	1970	1971
1971	1.59	1.21	.90	1971	1972
1972	1.59	1.21	.90	1972	1973
1973	1.59	1.21	.90	1973	1974
1974	1.59	1.21	.90	1974	1975
1975	1.59	1.21	.90	1975	1976
1976	1.59	1.21	.90	1976	1977
1977	1.59	1.21	.90	1977	1978
1978	1.59	1.21	.90	1978	1979
1979	1.59	1.21	.90	1979	1980
1980	1.59	1.21	.90	1980	1981
1981	1.59	1.21	.90	1981	1982
1982	1.59	1.21	.90	1982	1983
1983	1.59	1.21	.90	1983	1984
1984	1.59	1.21	.90	1984	1985
1985	1.59	1.21	.90	1985	1986
1986	1.59	1.21	.90	1986	1987
1987	1.59	1.21	.90	1987	1988
1988	1.59	1.21	.90	1988	1989
1989	1.59	1.21	.90	1989	1990
1990	1.59	1.21	.90	1990	1991
1991	1.59	1.21	.90	1991	1992
1992	1.59	1.21	.90	1992	1993
1993	1.59	1.21	.90	1993	1994
1994	1.59	1.21	.90	1994	1995
1995	1.59	1.21	.90	1995	1996
1996	1.59	1.21	.90	1996	1997
1997	1.59	1.21	.90	1997	1998
1998	1.59	1.21	.90	1998	1999
1999	1.59	1.21	.90	1999	2000
2000	1.59	1.21	.90	2000	2001
2001	1.59	1.21	.90	2001	2002
2002	1.59	1.21	.90	2002	2003
2003	1.59	1.21	.90	2003	2004
2004	1.59	1.21	.90	2004	2005
2005	1.59	1.21	.90	2005	2006
2006	1.59	1.21	.90	2006	2007
2007	1.59	1.21	.90	2007	2008
2008	1.59	1.21	.90	2008	2009
2009	1.59	1.21	.90	2009	2010
2010	1.59	1.21	.90	2010	2011
2011	1.59	1.21	.90	2011	2012
2012	1.59	1.21	.90	2012	2013
2013	1.59	1.21	.90	2013	2014
2014	1.59	1.21	.90	2014	2015
2015	1.59	1.21	.90	2015	2016
2016	1.59	1.21	.90	2016	2017
2017	1.59	1.21	.90	2017	2018
2018	1.59	1.21	.90	2018	2019
2019	1.59	1.21	.90	2019	2020
2020	1.59	1.21	.90	2020	2021
2021	1.59	1.21	.90	2021	2022
2022	1.59	1.21	.90	2022	2023
2023	1.59	1.21	.90	2023	2024
2024	1.59	1.21	.90	2024	2025
2025	1.59	1.21	.90	2025	2026
2026	1.59	1.21	.90	2026	2027
2027	1.59	1.21	.90	2027	2028
2028	1.59	1.21	.90	2028	2029

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TABLE 71
HAND LENGTH AND HAND BREADTH

HAND LENGTH																					
3.5	+	5.6	5.7	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	8.1
3.4	-																				
3.3	-																				
3.2	-																				
3.1	-																				
3.0	-																				
2.9	-																				
2.8	-																				
2.7	-																				
2.6	-																				
2.5	-																				
2.4	+																				
2.3	+																				
2.2	+																				
2.1	+																				
2.0	+																				
1.9	+																				
1.8	+																				
1.7	+																				
1.6	+																				
1.5	+																				
1.4	+																				
1.3	+																				
1.2	+																				
1.1	+																				
1.0	+																				
0.9	+																				
0.8	+																				
0.7	+																				
0.6	+																				
0.5	+																				
0.4	+																				
0.3	+																				
0.2	+																				
0.1	+																				
0.0	+																				

SUMMARY STATISTICS

		MEAN	ST. DEV.	-2S	-1S	0	1S	2S	N
HAND BREADTH		7.03	.45	6.13	6.53	7.03	7.53	7.93	1331
HAND LENGTH		13.57	.45	12.67	13.07	13.57	13.97	14.47	1331

TABLE 71

HAND LENGTH AND HAND CIRCUMFERENCE

HAND LENGTH

	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
5.6																										
5.7																										
5.8																										
5.9																										
6.0																										
6.1																										
6.2																										
6.3																										
6.4																										
6.5																										
6.6																										
6.7																										
6.8																										
6.9																										
7.0																										
7.1																										
7.2																										
7.3																										
7.4																										
7.5																										
7.6																										
7.7																										
7.8																										
7.9																										
8.0																										
8.1																										

SUMMARY STATISTICS

HAND CIRCUMFERENCE
 HAND LENGTH
 PLAN ST CV -R- -N-
 7.26 .34 .592 1331
 6.27 .35

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TABLE 72

FOOT LENGTH AND INSIDE LENGTH

FOOT LENGTH

8.4	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.8	101.9	102.0	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0	119.1	119.2	119.3	119.4	119.5	119.6	119.7	119.8	119.9	120.0	120.1	120.2	120.3	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0	124.1	124.2	124.3	124.4	124.5	124.6	124.7	124.8	124.9	125.0	125.1	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0	130.1	130.2	130.3	130.4	130.5	130.6	130.7	130.8	130.9	131.0	131.1	131.2	131.3	131.4	131.5	131.6	131.7	131.8	131.9	132.0	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0	136.1	136.2	136.3	136.4	136.5	136.6	136.7	136.8	136.9	137.0	137.1	137.2	137.3	137.4	137.5	137.6	137.7	137.8	137.9	138.0	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139
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TABLE 73

FOOT LENGTH

SUMMARY STATISTICS

HEEL-ANKLE FOOT LENGTH	ST OV	-R-	-N-
MEAN	12.12	.501	1331
	9.57		

TABLE 74
FOOT LENGTH AND FOOT BREADTH

FOOT LENGTH

4.3 +	6.0 +	8.1 +	8.2 +	8.3 +	9.0 +	9.1 +	9.2 +	9.3 +	10.0 +	10.1 +	10.2 +	10.3 +	11.0 +	11.1 +	11.2 +	11.3 +	12.0 +	.0
4.2 -																		.3
4.1 -					.0	.1		.0	.1	.2	.2	.1	.1	.1				.8
4.0 -					.0	.0	.0	.2	.3	.0	.4	.2	.0	.0		.1	.0	1.8
3.7 -					.0	.4	.3	.7	1.5	1.6	.9	.4	.2	.0				6.5
3.6 -			.1		.4	1.1	2.1	3.6	3.8	2.4	1.5	.5	.5	.1				16.1
3.5 -				.4	.8	2.4	4.9	4.3	3.9	2.7	1.6	.3	.2					21.3
3.4 -			.3	.5	1.7	3.9	4.7	3.7	3.2	2.1	.6	.1	.0					22.8
3.3 -	.0		.1	1.1	1.8	4.5	4.9	3.9	2.1	.7	.2	.2						19.7
3.2 -			.2	.6	1.9	1.9	1.8	.8	.3	.1	.1							7.7
3.1 -			.1	.1	.6	.7	.6	.1	.1									2.3
3.0 -			.1	.1	.3	.0	.1											.6
2.7 +	.1	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.1	.0	100.0

SUMMARY STATISTICS

FOOT BREADTH	MEAN	ST DEV	-R-	-N-
FOOT LENGTH	3.49	.20	.532	1331
	9.57	.49		

TABLE
FOOT LENGTH AND HEEL BREADTH

FOOT LENGTH

2.0	8.0	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0	.0
2.0	-							.0	.1	.0	.1	.1	.1					.2
2.7	-						.0	.3	.4	.4	.5	.5	.2	.1				2.2
2.6	-			.1	.1	.2	.5	1.0	1.0	1.6	1.1	.3	.5	.1	.1	.0		6.5
2.5	-			.0	.2	.3	1.9	3.0	3.3	3.1	1.7	.6	.2	.0				14.9
2.4	-			.1	1.2	4.0	5.8	6.5	5.3	3.2	1.8	.3	.1					28.9
2.3	-		.1	.2	.5	2.8	7.3	5.5	3.7	1.9	.7	.2	.1					28.7
2.2	-	.0	.3	1.3	2.7	3.4	3.6	2.0	1.2	.5	.0							15.1
2.1	-	.0	.2	.1	.5	1.0	.6	.4	.3									3.1
2.0	-	.0	.0	.1	.1	.1	.1	.0										.3
1.7	+	.1	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.0	100.0

SUMMARY STATISTICS

HEEL BREADTH	MEAN	ST DEV	-D-	-N-
FOOT LENGTH	2.40	.16	.530	1331
	9.57	.49		

TABLE 76

FOOT LENGTH AND FOOT CIRCUMFERENCE

FOOT LENGTH

10.3 +	8.0	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0	.1
10.2 -									.2	.0			.1	.1				.4
10.1 -									.1	.3	.2		.1	.1				1.1
10.0 -									.5	.7	.4	.1	.1					2.0
9.3 -						.1	.2		1.3	.8	.4	.4	.4	.0				5.6
9.2 -					.1	.6	1.7	2.4	3.0	2.3	1.9	.7	.2	.0	.1	.0		13.1
9.1 -					.3	1.6	3.3	4.6	4.0	2.1	1.0	.3	.1	.0				17.5
9.0 -					.4	1.2	3.5	5.1	3.5	2.2	.9	.1	.0					22.3
8.3 -					.6	2.2	4.2	5.2	2.9	1.7	.2	.2	.1					18.8
8.2 -		.1	.1	.8	1.9	3.6	2.6	2.1	1.1	.2								12.6
8.1 -		.1	.6	1.5	1.1	1.2	.5	.0	.0	.1								5.1
8.0 -		.2	.4	.2	.3	.2	.0											1.4
7.3 -		.0	.1	.0	.1	.0												.2
7.2 +	.1	.9	.3	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.0	100.0	

SUMMARY STATISTICS

FOOT CIRCUMFERENCE	MEAN	ST DEV	-R-	-N-
FOOT LENGTH	8.90	.45	.592	1331
	8.97	.49		

TABLE 77

FOOT LENGTH AND INSIDE CIRCUMFERENCE

FOOT LENGTH

11.0 +	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.8	101.9	102.0	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0	119.1	119.2	119.3	119.4	119.5	119.6	119.7	119.8	119.9	120.0	120.1	120.2	120.3	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0	124.1	124.2	124.3	124.4	124.5	124.6	124.7	124.8	124.9	125.0	125.1	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0	130.1	130.2	130.3	130.4	130.5	130.6	130.7	130.8	130.9	131.0	131.1	131.2	131.3	131.4	131.5	131.6	131.7	131.8	131.9	132.0	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0	136.1	136.2	136.3	136.4	136.5	136.6	136.7	136.8	136.9	137.0	137.1	137.2	137.3	137.4	137.5	137.6	137.7	137.8	137.9	138.0	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.2	139.3	139.4	139.5	139.6
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TABLE 78

STATURE AND RUST CIRCUMFERENCE

STATURE

47.	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
48.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
82.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
83.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
94.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PERCENT EXCLUDED .2

SUMMARY STATISTICS

MEAN ST. CV .243 1031
 RUST CIRCUMFERENCE 24.73 2.93
 STATURE 67.16 2.97

TABLE 79

STATURE AND WAIST CIRCUMFERENCE

STATURE

	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
42.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
41.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

PERCENT EXCLUDED .1

SUMMARY STATISTICS

WAIST CIRCUMFERENCE

MEAN ST DEV -N-
67.98 2.73 1331
67.18 2.87

BEST AVAILABLE COPY

TABLE 80
STATURE AND HIF CIRCUMFERENCE

STATURE		57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
52.	-	.1																	.0
51.	-																		.0
50.	-																		.0
49.	-																		.1
48.	-																		.1
47.	-																		.2
46.	-																		.2
45.	-																		.4
44.	-																		1.1
43.	-																		2.1
42.	-																		3.5
41.	-																		7.3
40.	-																		12.0
39.	-																		14.9
38.	-																		17.3
37.	-																		15.1
36.	-																		12.6
35.	-																		6.5
34.	-																		4.1
33.	-																		1.9
32.	-																		.5
31.	-																		.2
30.	+	.1	.5	1.4	2.7	5.0	9.7	17.0	14.9	14.0	13.9	9.8	6.7	3.0	2.0	.4	.5	.1	55.9

PERCENT EXCLUDED .1

SUMMARY STATISTICS
HIF CIRCUMFERENCE MEAN ST DEV -2- -IN-
64.16 2.67 64.15 1.31

BEST AVAILABLE COPY

TABLE #1
WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.
42.	+																
41.	-																
40.	-																
39.	-																
38.	-																
37.	-																
36.	-																
35.	-																
34.	-																
33.	-																
32.	-																
31.	-																
30.	-																
29.	-																
28.	-																
27.	-																
26.	-																
25.	-																
24.	-																
23.	-																
22.	+																

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST. DEV.	MIN.	MAX.
WAIST HEIGHT	20.00	2.72	1.01	48.1

PERCENT EXCLUDED .1

BEST AVAILABLE COPY

TABLE 82

WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST

	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	
52.	+																	.0
51.	-																	.0
50.	-																	.0
49.	-																	.1
48.	-								.1									.1
47.	-							.1										.2
46.	-							.2										.2
45.	-							.2										.7
44.	-							.4										1.1
43.	-							.4										2.1
42.	-							.4										3.6
41.	-							.5										7.3
40.	-	.1						1.5										12.0
39.	-							1.7										14.9
38.	-							3.0										17.3
37.	-							3.7										15.1
36.	-							3.3										12.6
35.	-							1.9										6.5
34.	-							1.4										4.1
33.	-							.9										1.9
32.	-							.6										.5
31.	-							.1										.2
30.	+	.2	.6	.8	1.5	1.7	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.5

PERCENT EXCLUDED

SUMMARY STATISTICS

WAF CIRCUMFERENCE	MEAN	ST. DEV.	ST. DEV.	ST. DEV.
141.4	57.76	2.91	2.91	2.91

TABLE 83

CUFF HEIGHT AND WAIST CIRCUMFERENCE

CUFF HEIGHT

	25.1	26.0	26.5	27.1	27.5	28.0	28.5	29.0	29.5	30.0	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0
42.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
41.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
40.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
39.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
38.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
37.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
36.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
35.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
34.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
33.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
32.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
31.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
29.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
28.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
27.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
26.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
25.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
24.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
23.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

PERCENT EXCLUDED .02

SUMMARY STATISTICS

WAIST CIRCUMFERENCE
(CUFF HEIGHT)

MEAN ST. DEV. COEFF. VARIATION

27.5 28.0 28.5 29.0 29.5 30.0 31.0 31.5 32.0 32.5 33.0 33.5 34.0 34.5 35.0 35.5 36.0

TABLE 24

CROTCH HEIGHT AND HIP CIRCUMFERENCE

CROTCH HEIGHT

25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

PERCENT EXCLUDED

SUMMARY STATISTICS

HIP CIRCUMFERENCE	MEAN	ST. DEV.	ST. DEV.	ST. DEV.
CROTCH HEIGHT	27.0	2.5	2.5	2.5

TABLE 25

NECK CIRCUMFERENCE AND ELUST CIRCUMFERENCE

NECK CIRCUMFERENCE

	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	
47.0	+	+	+	+	+	+	+	+	+	+	.1
46.0	-	-	-	-	-	-	-	-	-	-	.1
45.0	-	-	-	-	-	-	-	-	-	-	.1
44.0	-	-	-	-	-	-	-	-	-	-	.1
43.0	-	-	-	-	-	-	-	-	-	-	.1
42.0	-	-	-	-	-	-	-	-	-	-	.1
41.0	-	-	-	-	-	-	-	-	-	-	.1
40.0	-	-	-	-	-	-	-	-	-	-	.1
39.0	-	-	-	-	-	-	-	-	-	-	.1
38.0	-	-	-	-	-	-	-	-	-	-	.1
37.0	-	-	-	-	-	-	-	-	-	-	.1
36.0	-	-	-	-	-	-	-	-	-	-	.1
35.0	-	-	-	-	-	-	-	-	-	-	.1
34.0	-	-	-	-	-	-	-	-	-	-	.1
33.0	-	-	-	-	-	-	-	-	-	-	.1
32.0	-	-	-	-	-	-	-	-	-	-	.1
31.0	-	-	-	-	-	-	-	-	-	-	.1
30.0	-	-	-	-	-	-	-	-	-	-	.1
29.0	-	-	-	-	-	-	-	-	-	-	.1
28.0	-	-	-	-	-	-	-	-	-	-	.1
27.0	-	-	-	-	-	-	-	-	-	-	.1
26.0	-	-	-	-	-	-	-	-	-	-	.1
25.0	-	-	-	-	-	-	-	-	-	-	.1
24.0	-	-	-	-	-	-	-	-	-	-	.1
23.0	-	-	-	-	-	-	-	-	-	-	.1
22.0	-	-	-	-	-	-	-	-	-	-	.1
21.0	-	-	-	-	-	-	-	-	-	-	.1
20.0	-	-	-	-	-	-	-	-	-	-	.1
19.0	-	-	-	-	-	-	-	-	-	-	.1
18.0	-	-	-	-	-	-	-	-	-	-	.1
17.0	-	-	-	-	-	-	-	-	-	-	.1
16.0	-	-	-	-	-	-	-	-	-	-	.1
15.0	-	-	-	-	-	-	-	-	-	-	.1
14.0	-	-	-	-	-	-	-	-	-	-	.1
13.0	-	-	-	-	-	-	-	-	-	-	.1
12.0	-	-	-	-	-	-	-	-	-	-	.1
11.0	-	-	-	-	-	-	-	-	-	-	.1
10.0	-	-	-	-	-	-	-	-	-	-	.1
9.0	-	-	-	-	-	-	-	-	-	-	.1
8.0	-	-	-	-	-	-	-	-	-	-	.1
7.0	-	-	-	-	-	-	-	-	-	-	.1
6.0	-	-	-	-	-	-	-	-	-	-	.1
5.0	-	-	-	-	-	-	-	-	-	-	.1
4.0	-	-	-	-	-	-	-	-	-	-	.1
3.0	-	-	-	-	-	-	-	-	-	-	.1
2.0	-	-	-	-	-	-	-	-	-	-	.1
1.0	-	-	-	-	-	-	-	-	-	-	.1
0.0	-	-	-	-	-	-	-	-	-	-	.1
-1.0	-	-	-	-	-	-	-	-	-	-	.1
-2.0	-	-	-	-	-	-	-	-	-	-	.1
-3.0	-	-	-	-	-	-	-	-	-	-	.1
-4.0	-	-	-	-	-	-	-	-	-	-	.1
-5.0	-	-	-	-	-	-	-	-	-	-	.1
-6.0	-	-	-	-	-	-	-	-	-	-	.1
-7.0	-	-	-	-	-	-	-	-	-	-	.1
-8.0	-	-	-	-	-	-	-	-	-	-	.1
-9.0	-	-	-	-	-	-	-	-	-	-	.1
-10.0	-	-	-	-	-	-	-	-	-	-	.1
-11.0	-	-	-	-	-	-	-	-	-	-	.1
-12.0	-	-	-	-	-	-	-	-	-	-	.1
-13.0	-	-	-	-	-	-	-	-	-	-	.1
-14.0	-	-	-	-	-	-	-	-	-	-	.1
-15.0	-	-	-	-	-	-	-	-	-	-	.1
-16.0	-	-	-	-	-	-	-	-	-	-	.1
-17.0	-	-	-	-	-	-	-	-	-	-	.1
-18.0	-	-	-	-	-	-	-	-	-	-	.1
-19.0	-	-	-	-	-	-	-	-	-	-	.1
-20.0	-	-	-	-	-	-	-	-	-	-	.1
-21.0	-	-	-	-	-	-	-	-	-	-	.1
-22.0	-	-	-	-	-	-	-	-	-	-	.1
-23.0	-	-	-	-	-	-	-	-	-	-	.1
-24.0	-	-	-	-	-	-	-	-	-	-	.1
-25.0	-	-	-	-	-	-	-	-	-	-	.1
-26.0	-	-	-	-	-	-	-	-	-	-	.1
-27.0	-	-	-	-	-	-	-	-	-	-	.1
-28.0	-	-	-	-	-	-	-	-	-	-	.1
-29.0	-	-	-	-	-	-	-	-	-	-	.1
-30.0	-	-	-	-	-	-	-	-	-	-	.1
-31.0	-	-	-	-	-	-	-	-	-	-	.1
-32.0	-	-	-	-	-	-	-	-	-	-	.1
-33.0	-	-	-	-	-	-	-	-	-	-	.1
-34.0	-	-	-	-	-	-	-	-	-	-	.1
-35.0	-	-	-	-	-	-	-	-	-	-	.1
-36.0	-	-	-	-	-	-	-	-	-	-	.1
-37.0	-	-	-	-	-	-	-	-	-	-	.1
-38.0	-	-	-	-	-	-	-	-	-	-	.1
-39.0	-	-	-	-	-	-	-	-	-	-	.1
-40.0	-	-	-	-	-	-	-	-	-	-	.1
-41.0	-	-	-	-	-	-	-	-	-	-	.1
-42.0	-	-	-	-	-	-	-	-	-	-	.1
-43.0	-	-	-	-	-	-	-	-	-	-	.1
-44.0	-	-	-	-	-	-	-	-	-	-	.1
-45.0	-	-	-	-	-	-	-	-	-	-	.1
-46.0	-	-	-	-	-	-	-	-	-	-	.1
-47.0	-	-	-	-	-	-	-	-	-	-	.1

PERCENT EXCLUDED .02

SUMMARY STATISTICS

NECK CIRCUMFERENCE	MEAN	ST. DEV.	ST. DEV.	N
	12.74	2.93	2.93	1331

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 86

CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

47. +	28. +	29. +	30. +	31. +	32. +	33. +	34. +	35. +	36. +	37. +	38. +	39. +	40. +	41. +	42. +	43. +	44. +	
46. -																		.1
45. -																		.1
44. -																		.2
43. -													.2					.0
42. -												.2	.1					.4
41. -											.2	.4	.2					.2
40. -							.1			.1	.2	.3	.2					.2
39. -							.2	.6	1.2	1.6	.8	.4	.1					2.4
38. -							.5	1.7	2.4	1.5	.6	.1						4.9
37. -						.7	1.5	3.9	4.4	1.5	.2							6.8
36. -					.2	1.4	4.1	6.7	2.8	1.0								11.8
35. -				.1	.9	2.9	6.0	3.5	.9	.2								16.2
34. -				.3	2.9	5.4	5.0	.8	.2									14.5
33. -				.3	1.0	4.7	1.9	.3	.1									14.6
32. -		.3	.7	2.0	3.8	1.6	.1											13.1
31. -	.0	.7	2.0	1.0	.2													8.1
30. -	.1	.7	2.2	.1	.2													4.1
29. -	.4	.1	.2															.7
28. +	.1	.2																.2
	.2	2.2	5.6	15.6	16.7	19.4	17.6	12.5	7.0	2.4	1.5	.7	.7	.0	.2	.1	.1	99.8

PERCENT EXCLUDED .2

SUMMARY STATISTICS

	BLST CIRCUMFERENCE	PCAN	ST	OV	-R-	-N-
CHEST CIRCUMFERENCE AT SCYE	34.73	33.68	2.53	2.05	.084	1331

TABLE A7
BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
40.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SUMMARY STATISTICS
CHEST CIRCUMFERENCE BELOW BUST
MEAN ST DEV
35.48 1.02
32.73 2.53
1931

TABLE 28
BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
+2.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
+1.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
+0.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

PERCENT EXCLUDED .2

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST. EV.	-S-	-N-
BUST CIRCUMFERENCE	27.99	2.72	.709	1331
	34.73	2.53		

TABLE 4

POST CIRCUMFERENCE AND HIS CIRCUMFERENCE

POST CIRCUMFERENCE

	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
52.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
51.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PERCENT EXCLUDED .2

SUMMARY STATISTICS

HIS CIRCUMFERENCE	MEAN	ST. DEV.	SD
POST CIRCUMFERENCE	34.81	2.83	.715
	34.76	2.83	1.031

BEST AVAILABLE COPY

TABLE 50

EUST CIRCUMFERENCE AND ARM SCYE CIRCUMFERENCE

EUST CIRCUMFERENCE

28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
19.0 +																			
18.5 -																			
18.0 -																			
17.5 -																			
17.0 -																			
16.5 -																			
16.0 -																			
15.5 -																			
15.0 -																			
14.5 -																			
14.0 -																			
13.5 -																			
13.0 -																			
12.5 -																			
12.0 -																			
11.5 +																			

PERCENT EXCLUDED .02

SUMMARY STATISTICS

ARM SCYE CIRCUMFERENCE	MEAN	ST DEV	-R-	-N-
EUST CIRCUMFERENCE	14.77	.95	.764	1331

TABLE 91

BUST CIRCUMFERENCE AND INTERSCYE BACK

BUST CIRCUMFERENCE

	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
19.5 +																												
19.0 -																												
17.5 -																												
17.0 -																												
16.5 -																												
16.0 -																												
15.5 -																												
15.0 -																												
14.5 -																												
14.0 -																												
13.5 -																												
13.0 -																												
12.5 -																												
12.0 -																												
11.5 +																												

PERCENT EXCLUDED .02

SUMMARY STATISTICS

INTERSCYE BACK
BUST CIRCUMFERENCE

MEAN ST DEV
14.93 .93
32.73 2.63

-R-
.477

-N-
1331

BEST AVAILABLE COPY

TABLE 92

BUST CIRCUMFERENCE AND INTERSCYE FRONT

BUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
15.2 -	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
15.1 -																				
15.0 -																				
14.3 -																				
14.2 -																				
14.1 -																				
14.0 -																				
13.3 -																				
13.2 -																				
13.1 -																				
13.0 -																				
12.3 -																				
12.2 -																				
12.1 -																				
12.0 -																				
11.3 -																				
11.2 -																				
11.1 -																				
11.0 -																				

PERCENT EXCLUDED .2

SUMMARY STATISTICS

INTERSCYE FRONT	MEAN	ST DEV	-P-	-N-
BUST CIRCUMFERENCE	34.79	2.53	.509	1331

TABLE 92

BUST CIRCUMFERENCE AND WAIST BACK

BUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
20.5 +																				
21.0 -																				
19.5 -																				
18.0 -																				
17.5 -																				
17.0 -																				
16.5 -																				
16.0 -																				
15.5 -																				
15.0 -																				
14.5 -																				
14.0 -																				
13.5 -																				
13.0 +																				

PERCENT EXCLUDED .1

SUMMARY STATISTICS

WAIST BACK
 BUST CIRCUMFERENCE
 MEAN ST DEV -S- -N-
 16.08 1.04 .163 1331
 34.73 2.93

TABLE 11.1

JUST CIRCUMFLANGE

[illegible]

SUMMARY STATISTICS

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 02-08-2000 BY 60322
UCBAW

BEST AVAILABLE COPY

TABLE 98

BUST CIRCUMFERENCE AND AXILLA TO WAIST

BUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
14.0 +									.1											
13.5 -																				.1
13.0 -																				.0
12.5 -																				.4
12.0 -																				.6
11.5 -																				1.2
11.0 -																				1.4
10.5 -																				4.3
10.0 -																				8.5
9.5 -																				14.5
9.0 -																				19.5
8.5 -																				20.7
8.0 -																				16.9
7.5 -																				8.3
7.0 -																				2.9
6.5 -																				.6
6.0 +	.2	.7	4.1	8.1	13.1	14.6	14.6	16.2	11.8	6.8	4.9	2.4	.8	.8	.2	.4	.0	.1	.1	99.6

PERCENT EXCLUDED .2

SUMMARY STATISTICS

AXILLA TO WAIST	MEAN	ST. CV	-D-	-N-
BUST CIRCUMFERENCE	6.09	.99	.096	1331
	3.73	2.53		

TABLE 97

RUST CIRCUMFERENCE AND SLAVE INSEAM

RUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	
21.1 +	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
21.0 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.5
20.9 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.2
20.8 -	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	2.7
19.9 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	7.1
19.8 -	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	11.2
19.7 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	15.2
19.6 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	19.4
19.5 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	18.2
19.4 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	13.2
19.3 -	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	7.4
19.2 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.8
19.1 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.4
19.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3
18.9 -	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.1
18.8 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	99.8

PERCENT EXCLUDED .4

SUMMARY STATISTICS

SLAVE INSEAM	MEAN	ST. DEV.	-2-	-1-
RUST CIRCUMFERENCE	17.74	1.09	.120	17.1
	74.73	2.57		

TABLE 9e

BUST CIRCUMFERENCE AND SLEEVE OUTSEAM

BUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
25.5 -	.2	.7	4.1	.1	13.1	14.6	14.8	16.2	11.2	6.8	4.9	2.4	.8	.2	.4	.1	.1	.1	.1	.1
25.0 -																				
24.5 -																				
24.0 -																				
23.5 -																				
23.0 -																				
22.5 -																				
22.0 -																				
21.5 -																				
21.0 -																				
20.5 -																				
20.0 -																				
19.5 -																				
19.0 -																				
18.5 -																				
18.0 -																				
17.5 -																				
17.0 -																				

PERCENT EXCLUDED .2

SUMMARY STATISTICS

	MEAN	ST. DEV.	-P-	-N-
SLEEVE OUTSEAM	21.18	1.17	.200	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 66

WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE

WAIST CIRCUMFERENCE

	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	
52.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.0
51.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
50.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
49.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.1
48.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.1
47.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.1
46.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
45.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
44.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.4
43.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
42.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1
41.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5
40.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.7
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.6
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.5
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
	.6	2.4	7.0	17.2	16.7	15.9	14.5	13.4	12.4	11.6	10.2	8.7	7.1	5.5	3.9	2.3	.7	.1	.5	.9	1.3	1.7

PERCENT EXCLUDED .1

SUMMARY STATISTICS

HIP CIRCUMFERENCE
 MEAN 31.04
 STD. DEV. 3.91
 N 131

TABLE 100

WAIST CIRCUMFERENCE AND CROTCH LENGTH

WAIST CIRCUMFERENCE

	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.
40.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
39.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SUMMARY STATISTICS

	MEAN	ST. DEV.	-2S	-N-
CROTCH LENGTH	24.71	2.13	.269	1331
WAIST CIRCUMFERENCE	27.56	2.72		

PERCENT EXCLUDED .1

Chapter III

THE STANDARD BIVARIATE FREQUENCY TABLES

The tables in this section (Tables 101-310) include about 200 bivariate frequency tables based on data from the women's survey and using intervals which are integer multiples of the unit of measurement. All the full-sample ("core") measurements were recorded in millimeters except weight which was measured to the nearest quarter of a pound.

Maximums of 25 rows and 25 columns were chosen for reasons of computational simplicity and because tables of approximately that size were deemed close to optimum for providing the viewer with a clear impression of the general pattern of the interrelationship of the variables involved. Most of the interval widths are 5, 10, 15, or 20 millimeters; when such is the case the interval endpoints end in .25 or .75 centimeters to reduce the effect of any possible tendency to overuse 0's and 5's as final digits. Midpoint values, in centimeters or pounds, are listed to the left of each column and above each column. The values at the top of the columns are printed on two lines and are to be read as a single number. Thus:

156
.25

indicates the number 156.25.

Below each table we have listed the mean and standard deviation for both variables, the correlation coefficient for the pair, regression equations for each variable in terms of the other variable, and standard errors of estimate associated with these equations. These statistics are based on the units in which the table is labelled. Where, as is usual, both units are centimeters, the means, standard deviations, the standard errors of estimate, and the constant terms in the regression equations may be converted to inches by multiplying by 0.3937. The slopes of the regression lines--the coefficients of "x" and "y"--do not change when, as in this case, the same change in units is made in both variables.

When weight is one variable, the following rules apply:

a. When weight is the "estimated" variable, and its unit is to be changed to kilograms, divide the slope, the constant, and the standard error by 2.2:

Thus the equation for weight in terms of stature:

$$W = 1.56 S - 122.00 \text{ (SE=16.22) in pounds and centimeters}$$

becomes:

$$W^1 = 0.709 S - 55.45 \text{ (SE=7.37) in kilograms and centimeters.}$$

b. When weight is the "estimated" variable, and the unit of the other variable is to be changed from centimeters to inches, multiply the slope by 2.54:

$$W^1 = 3.962 S - 122.00 \text{ (SE=16.22) in kilograms and inches}$$

c. When weight is the estimator, and its unit is to be changed to kilograms, multiply the slope by 2.2:

Thus, the equation for stature in terms of weight:

$$S = 0.18 W + 139.16 \text{ (SE=5.52) in centimeters and pounds.}$$

becomes:

$$S = 0.396 W^1 + 139.16 \text{ (SE=5.52) in centimeters and kilograms.}$$

d. When weight is the estimator and the unit of the other variable is to be changed to inches, divide all values by 2.54:

$$S = 0.0709 W^1 + 54.79 \text{ (SE=2.17) in inches and pounds.}$$

TABLE 101

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
WEIGHT																				
184.25																				1
182.25																				2
180.25																				7
178.25																				11
176.25																				24
174.25																				43
172.25																				57
170.25																				78
168.25																				109
166.25																				140
164.25																				161
162.25																				151
160.25																				150
158.25																				146
156.25																				102
154.25																				67
152.25																				39
150.25																				25
148.25																				10
146.25																				6
144.25																				1
142.25																				1
TOTALS	23	94	177	279	287	213	140	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- STATURE	162.96	6.52	.18*X +	5.52	.532
X- WEIGHT	132.22	19.16	1.56*Y +	16.22	

TABLE 102

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER (ACROMIALE) HEIGHT

	WEIGHT																				
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	282	TOTAL
155.25																					1
153.25								1	1												0
151.25							1	1	1												2
149.25							4	4	1												5
147.25							8	9	2												15
145.25							10	5	3												38
143.25							17	13	2												44
141.25							23	24	2												70
139.25							30	24	9												109
137.25							31	30	9												136
135.25							36	31	6												165
133.25							41	48	4												174
131.25							49	26	10												172
129.25							34	16	5												140
127.25							19	6	3												109
125.25							14	6													66
123.25							5	3													54
121.25							6	4													18
119.25							6	4													12
117.25							3	2													0
115.25							1														1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	$.16^*X + 109.691$	4.96	.563
X-SHOULDER (ACROMIALE) HEIGHT	132.22	19.16	$1.80^*Y + -108.063$	15.84	

TABLE 103

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND AXILLA HEIGHT

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
142.25							1													1
140.25						1		1												2
138.25						1	7	3	2											2
136.25					1	4	10	8		3				1						19
134.25				2	3	10	4	8	3	1		1								40
132.25			2	3	12	20	27	17	3	4	1								1	42
130.25			3	12	18	22	22	11	3	4	1	1	1							90
128.25		1	10	13	34	36	27	29	6	1	1	1	1							121
126.25		1	7	18	52	41	36	16	9	3	1	1								150
124.25	1		11	23	40	52	34	17	3	4	1									187
122.25			19	34	42	47	17	8	3	1										186
120.25			4	12	35	33	25	16	5											173
118.25			4	16	20	16	20	7	2											131
116.25			4	14	8	19	7	6												85
114.25			1	9	6	3	1													62
112.25			3	3	3	1														20
110.25			1	1	1															15
108.25																				4
106.25																				0
104.25																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA HEIGHT	123.25	5.58	$.15^*X +$	4.77	.518
X- WEIGHT	132.22	19.16	$1.76^*Y +$	16.39	

TABLE 104

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUSTPOINT HEIGHT

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
135.50							1													1
134.00							3	2												5
132.50						3	1		1											5
131.00				1	2	6	2	1	2					1						15
129.50				1	7	6	5	7	1											27
128.00				3	4	6	10	8		2										33
126.50				5	4	9	10	6	1	5		1								44
125.00			1	3	13	15	7	6	1	2	1									64
123.50			1	5	13	16	19	5	4	1	1	1								84
122.00			2	13	30	19	23	19	12	1			1							121
120.50			3	14	32	23	24	15	6	2	2									122
119.00			13	9	28	34	29	20	2	1	1	1								143
117.50			6	22	30	39	23	13	2	3	1									139
116.00			4	10	26	31	34	14	10	3		1								133
114.50			2	13	24	25	32	22	4	3										125
113.00			1	10	21	21	18	6	4	1										82
111.50			3	7	10	22	15	7	1											65
110.00			5	11	12	11	9	6	1	1										56
108.50			2	9	7	7	8	1												35
107.00			4	7	4	3	1													20
105.50			1	1	2	1	1	1												7
104.00						1														1
102.50						1														3
101.00																				0
99.50																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	$.13 * X +$	5.00	.459
X- WEIGHT	132.22	19.16	$1.56 * Y +$	17.02	

TABLE 105

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
121.20							1													1
120.00							1													1
118.50																				0
117.00																				0
115.50																				6
114.00															1					12
112.50																				20
111.00																				34
109.50																				36
108.00																				67
106.50																				87
105.00																				91
103.50																				141
102.00																				168
100.50																				172
99.00																				136
97.50																				113
96.00																				86
94.50																				71
93.00																				51
91.50																				15
90.00																				13
88.50																				5
87.00																				3
85.50																				2
TOTALS	23	94	177	279	407	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	$.12^*X +$	4.69	.433
X- WEIGHT	132.22	19.16	$1.60^*Y +$	17.27	

TABLE 106

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CROUCH HEIGHT

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
92.50																				1
91.00																				0
89.50																				4
88.00																				5
86.50																				21
85.00																				24
83.50																				55
82.00																				79
80.50																				111
79.00																				118
77.50																				169
76.00																				191
74.50																				176
73.00																				155
71.50																				96
70.00																				68
68.50																				35
67.00																				14
65.50																				6
64.00																				2
62.50																				1
TOTALS	23	94	177	279	287	213	140	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROUCH HEIGHT	76.37	4.38	$.09 \cdot X +$	4.02	.335
X- WEIGHT	132.22	19.16	$1.73 \cdot Y +$	17.60	

TABLE 107

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SITTING HEIGHT

	WEIGHT																				TOT
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	282	ALS
95.75						2			1												3
94.75			1	1	1																3
93.75			2	1	1	1															5
92.75			1	3		6	1			1											12
91.75			4		5	6	5			2		1							1		25
90.75			1	11	11	9	3			3	1	1		1							43
89.75			2	4	7	15	10			4	3	2									63
88.75		1	4	2	16	24	18	9		2	2	1									97
87.75	1	2	14	26	26	25	24	13		1											132
86.75		5	15	40	39	22	16	4		2		1									147
85.75		7	17	28	32	24	14	4		2											129
84.75	1	8	20	29	43	23	15	7		1			1								144
83.75	3	8	22	27	20	27	5	3		2	1										119
82.75	4	8	22	25	22	14	11	1		1											112
81.75		14	23	21	27	10	5	2		1		1									104
80.75	3	7	15	21	7	11	1	2													67
79.75	3	9	7	14	11	3	4	1													53
78.75	1	9	3	7	9																28
77.75	4	4	7	5	2	2	1														25
76.75		3		1	1																5
75.75		4	1	3																	8
74.75	1	1	2																		5
73.75			1																		1
72.75	1																				1
TOTALS	23	94	177	279	287	215	146	66	19	15	5	3	2	1	1	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SITTING HEIGHT	89.06	3.29	$.008X + 74.499$	3.26	.+22
X- WEIGHT	132.22	13.16	$2.225Y + -59.234$	17.37	

TABLE 108

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK-KNEE LENGTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
68.75																				1
67.75									1	1										2
66.75							1	1												3
65.75							3		1	1		1							1	7
64.75					1	1	5	8	1	3	1	1								21
63.75					1	5	8	10	3	4			2							33
62.75					5	12	9	13	2	2	2	1								46
61.75				7	10	16	23	10	1	1	1									71
60.75				11	22	29	31	7	4	2										106
59.75				6	24	30	29	7	1											124
58.75				9	32	40	32	19	4	3	1									146
57.75				8	26	45	60	31	2	1										183
56.75				4	21	63	50	33	6	1	1									179
55.75				1	10	37	36	33	14	3	2									137
54.75				2	21	41	31	22	5	1										123
53.75				8	16	24	20	6	3											78
52.75				5	15	10	4	1												35
51.75				4	11	2	5													22
50.75				2	8	1	1													12
49.75				1																1
48.75																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	.11*X +	2.14	.717
X- WEIGHT	132.22	19.16	4.48*Y +	13.36	

TABLE 109

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUST DEPTH

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
WEIGHT																				ALS
32.75																				3
31.75																				1
30.75																				2
29.75																				6
28.75																				11
27.75																				24
26.75																				55
25.75																				92
24.75																				135
23.75																				225
22.75																				224
21.75																				239
20.75																				181
19.75																				95
18.75																				35
17.75																				2
16.75																				0
15.75																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
BUST DEPTH	22.92	2.23	$.09 \cdot X +$	1.49	.743
WEIGHT	132.22	19.16	$6.40 \cdot Y +$	12.82	

TABLE 110

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST DEPTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
32.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
31.75																				1
30.75																				1
29.75												1								1
28.75												1								1
27.75																				1
26.75											1									2
25.75											2									5
24.75										1	3									8
23.75										2	2									18
22.75										4	5				1					23
21.75										4	5									62
20.75										11	5									82
19.75										9	1									158
18.75										24	6									233
17.75										3										279
16.75										4										254
15.75										4										149
14.75										2										47
13.75										2										6
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y -	18.29	2.21	.08*X +	1.52	.725
X -	132.22	19.16	6.28*Y +	17.364	13.20

TABLE 111

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST BREADTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
43.75																				1
39.75																				0
38.75																				1
37.75																				0
36.75																				0
35.75																				0
34.75																				3
33.75																				6
32.75																				22
31.75																				44
30.75																				85
29.75																				211
28.75																				271
27.75																				272
26.75																				239
25.75																				124
24.75																				46
23.75																				6
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
CHEST BREADTH	28.25	1.86	$.08 * X +$	1.15	.784
WEIGHT	132.22	19.16	$6.09 * Y +$	11.88	

TABLE 112

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BREADTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
39.75																				1
38.75												1								1
37.75																				0
36.75																				1
35.75																				0
34.75																				2
33.75																				7
32.75																				10
31.75																				10
30.75																				25
29.75																				34
28.75																				83
27.75																				120
26.75																				158
25.75																				217
24.75																				249
23.75																				198
22.75																				136
21.75																				61
20.75																				15
19.75																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	$.10X +$	1.64	.742
X- WEIGHT	132.22	19.16	$5.61Y +$	12.78	

TABLE 113

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP BREADTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
48.75																				1
47.75																				1
46.75																				0
45.75																				0
44.75										1										1
43.75																				1
42.75													1							7
41.75																				9
40.75																				19
39.75																				45
38.75																				65
37.75																				137
36.75																				163
35.75																				211
34.75																				226
33.75																				191
32.75																				134
31.75																				71
30.75																				32
29.75																				11
28.75																				4
TOTALS	23	94	177	279	267	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	$.10^*X +$	1.47	.505
X- WEIGHT	132.22	19.16	$5.2^*Y +$	11.36	

TABLE 114

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER BREADTH

		WEIGHT																TOTALS	TOTAL
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	
52.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
54.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
53.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
52.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
51.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
50.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
49.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
48.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
47.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
46.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
45.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
44.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
43.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
42.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
41.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
40.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
39.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
38.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
37.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
36.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	101
TOTALS		23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
SHOULDER BREADTH	42.05	2.24	$.10^*X + 28.823$	1.28	.819
WEIGHT	132.22	19.16	$7.02^*Y + -162.939$	10.39	

TABLE 115

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER CIRCUMFERENCE

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
139.00																				1
136.50																				0
134.00																				0
131.50																				0
129.00																				0
126.50																				0
124.00																				2
121.50																				2
119.00																				1
116.50																				6
114.00																				7
111.50																				28
109.00																				70
106.50																				117
104.00																				186
101.50																				241
99.00																				230
96.50																				205
94.00																				143
91.50																				64
89.00																				23
86.50																				5
TOTALS	23	94	177	279	207	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	2.46	$.24^*X +$	2.96	.840
X- WEIGHT	132.22	19.16	$2.95^*Y +$	10.40	

TABLE 116

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE AT SCYE

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
120.25																				1
118.25																				0
116.25																				0
114.25																				0
112.25																				0
110.25																				1
108.25																				1
106.25																				1
104.25																				1
102.25																				1
100.25																				1
98.25																				1
96.25																				2
94.25																				7
92.25																				9
90.25																				30
88.25																				27
86.25																				86
84.25																				131
82.25																				178
80.25																				183
78.25																				217
76.25																				169
74.25																				152
72.25																				86
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.23X +$	2.89	.831
X-WEIGHT	132.22	19.16	$3.07Y +$	10.66	

TABLE 117

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUST CIRCUMFERENCE

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
129.50																				1
127.00																				0
124.50																				0
122.00																				0
119.50																				1
117.00																				0
114.50																				0
112.00																				0
109.50																				0
107.00																				0
104.50																				0
102.00																				0
99.50																				0
97.00																				0
94.50																				0
92.00																				0
89.50																				0
87.00																				0
84.50																				0
82.00																				0
79.50																				0
77.00																				0
74.50																				0
72.00																				0
69.50																				0
TOTALS	23	94	177	279	287	215	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.27*X +	3.73	.815
X- WEIGHT	132.22	19.16	2.43*Y +	11.11	

TABLE 116

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

	WEIGHT																TOT			
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	ALS
108.25	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.86	1
106.25																				0
104.25																				0
102.25																				1
100.25														1						0
98.25																				1
96.25												1								0
94.25																				1
92.25													1							0
90.25															1					2
88.25																				11
86.25																				5
84.25																				13
82.25																				40
80.25																				58
78.25																				92
76.25																				149
74.25																				195
72.25																				252
70.25																				175
68.25																				168
66.25																				121
64.25																				38
62.25																				4
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$.21^*X +$	2.95	.808
X-WEIGHT	132.22	19.16	$3.09^*Y +$	11.28	

TABLE 119

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST CIRCUMFERENCE

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
110.50																				1
114.00																				0
111.50																				0
109.00																				0
106.50												2								2
104.00											1									1
101.50													1							2
99.00																				0
96.50																				1
94.00																				4
91.50																				10
89.00																				12
86.50																				19
84.00																				24
81.50																				37
79.00																				75
76.50																				105
74.00																				164
71.50																				180
69.00																				245
66.50																				202
64.00																				139
61.50																				83
59.00																				21
56.50																				4
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.41	6.90	.29*X +	4.18	.795
X- WEIGHT	132.22	19.16	2.21*Y +	11.61	

TABLE 120

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
135.00																				1
132.50																				1
130.00																				0
127.50																				0
125.00																				0
122.50																				2
120.00																				1
117.50																				1
115.00																				3
112.50																				8
110.00																				14
107.50																				31
105.00																				54
102.50																				101
100.00																				166
97.50																				199
95.00																				225
92.50																				190
90.00																				165
87.50																				82
85.00																				54
82.50																				25
80.00																				6
77.50																				2
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	$.30^*X +$	2.71	.906
X- WEIGHT	132.22	19.16	$2.72^*Y +$	8.12	

TABLE 121

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
186.50																				1
184.00																				0
181.50														1						1
179.00																				0
176.50																				2
174.00													1							5
171.50												1	2							15
169.00												1	2							17
166.50												1	3							32
164.00												1	3							67
161.50												2								107
159.00												3	2							141
156.50												4								173
154.00												3								170
151.50												6								183
149.00												1								163
146.50												2								116
144.00												1								60
141.50												1								42
139.00												1								16
136.50												1								12
134.00												1								6
131.50												1								2
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	$.31 \cdot X +$	4.27	.309
X-WEIGHT	132.22	19.16	$2.13 \cdot Y +$	11.27	

TABLE 122

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE BACK

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
47.75																				1
48.75																				0
49.75																				1
44.75																				5
43.75																				12
42.75																				18
41.75																				64
40.75																				103
39.75																				157
38.75																				208
37.75																				233
36.75																				201
35.75																				160
34.75																				87
33.75																				44
32.75																				27
31.75																				7
30.75																				3
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
INTERSCYE BACK	37.86	2.35	$.06^*X +$	2.05	.489
WEIGHT	132.22	19.16	$3.98^*Y +$	16.71	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE FRONT

		WEIGHT																			
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
40.50	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	ALS
40.00																					1
39.50																					0
39.00																					0
38.50																					2
38.00																					1
37.50																					3
37.00																					12
36.50																					16
36.00																					23
35.50																					37
35.00																					62
34.50																					84
34.00																					102
33.50																					125
33.00																					140
32.50																					175
32.00																					139
31.50																					141
31.00																					84
30.50																					79
30.00																					50
29.50																					30
29.00																					16
28.50																					4
TOTALS		23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION	EQUATIONS	SE-EST	R
Y-	33.17	1.75	.05*X	+ 26.558	1.43	.575
X-	132.22	19.16	6.32*X	+ -77.411	15.67	
INTERSCYE FRONT WEIGHT						

TABLE 124

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BACK CURVATURE-BUST

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
63.00																				1
61.50																				0
60.00																				0
58.50																				0
57.00																				0
55.50																				2
54.00																				2
52.50																				2
51.00																				7
49.50																				16
48.00																				38
46.50																				81
45.00																				129
43.50																				221
42.00																				258
40.50																				262
39.00																				155
37.50																				106
36.00																				40
34.50																				10
33.00																				0
31.50																				0
30.00																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	$.13^*X +$	2.07	.758
X- WEIGHT	132.22	19.16	$4.58^*Y +$	12.51	

TABLE 125

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BACK CURVATURE-WAIST

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
58.50																				1
57.00																				0
55.50												1								1
54.00																				0
52.50											1									1
51.00											1									2
49.50												1								1
48.00													1							2
46.50														1						7
45.00															1					15
43.50																2				17
42.00																	1			30
40.50																		1		46
39.00																				83
37.50																				170
36.00																				225
34.50																				269
33.00																				237
31.50																				148
30.00																				63
28.50																				12
27.00																				1
TOTALS	23	94	177	279	267	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	$.14^*X +$	2.22	.770
X- WEIGHT	132.22	19.16	$4.24^*Y +$	12.23	

TABLE 126

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BACK CURVATURE-HIP

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	ALS
69.00																				1
67.50																				0
66.00																				1
64.50																				0
63.00																				0
61.50																				0
60.00																				3
58.50																				4
57.00																				11
55.50																				35
54.00																				37
52.50																				72
51.00																				105
49.50																				188
48.00																				214
46.50																				231
45.00																				192
43.50																				113
42.00																				74
40.50																				36
39.00																				9
37.50																				4
36.00																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.16*X +	2.26	.797
X- WEIGHT	132.22	19.16	4.09*Y +	11.57	

TABLE 127

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BACK

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
51.75							1													1
50.75						1	1		1											0
49.75						1						1								4
48.75				1		2	2	1												3
47.75			1	5	7	7	7	4	1	2										8
46.75			1	3	11	11	11	6	1	1										20
45.75		1	2	8	12	12	21	9	3	1	2									41
44.75		1	2	15	32	39	26	27	10	4	1	1	1							57
43.75		1	4	23	37	60	32	20	15	4	1	1		1						85
42.75		3	7	22	43	33	36	16	7	1	2									159
41.75		2	13	33	42	48	21	17	7	1	1									204
40.75		5	16	33	42	48	21	17	7	1	1									177
39.75		2	12	28	30	29	34	13	5	2		1								191
38.75		4	15	17	32	20	15	8	1											156
37.75		3	12	17	20	15	6	2	1											112
36.75			6	3	4	5	3	2	1											76
35.75			3	3	3															24
34.75			1	1	1															10
33.75																				3
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BACK	40.85	2.65	$.04^*X +$	2.51	.321
X- WEIGHT	132.22	19.16	$2.32^*Y +$	18.14	

TABLE 120

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST FRONT

		WEIGHT																TOT ALS			
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	282
47.75	.88	1																			1
46.75						1	1	1													3
45.75								1		1			2								4
44.75											1									1	6
43.75						3	2	2	1												10
42.75						1				2											18
41.75						5	1	10	3	3	1	1									34
40.75						10	5	14	2	1	2		1								44
39.75						15	15	14	10	1	2	2									77
38.75						33	33	17	12	7	2			2							147
37.75						39	39	24	15	1	2										171
36.75						63	26	25	13												223
35.75						34	30	9	3						1						187
34.75						41	39	11	3	2											170
33.75						22	21	6													140
32.75						8	7	9													60
31.75						7	3	1													26
30.75						2	7			1											8
29.75						1	1														2
TOTALS		23	94	177	279	287	213	146	86	19	15	5	3	2	1	0	0	0	1	1331	2

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST FRONT	36.74	2.63	.06*X +	2.40	.400
X- WEIGHT	132.22	19.16	2.96*Y +	17.51	

TABLE 129

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CROTCH LENGTH

WEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	ALS
100.25																				1
98.25																				0
96.25																				0
94.25																				0
92.25																				0
90.25																				0
88.25																				2
86.25																				11
84.25																				17
82.25																				37
80.25																				70
78.25																				152
76.25																				165
74.25																				202
72.25																				191
70.25																				184
68.25																				120
66.25																				86
64.25																				34
62.25																				26
60.25																				13
58.25																				10
56.25																				2
54.25																				4
52.25																				4
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
CROTCH LENGTH	72.93	5.46	.18*X +	4.22	.635
WEIGHT	132.22	19.16	2.23*Y +	14.79	

TABLE 130

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HEAD CIRCUMFERENCE

WEIGHT																			
92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	ALS
61.00						1	1												1
60.50						1	1												3
60.00						1	1												1
59.50						1	2	5	2										10
59.00						1	1	2	2		1								7
58.50						1	1	4	1	1									12
58.00						1	1	6	1	1				1					31
57.50						1	1	9	1	1									46
57.00						1	1	10	1	1									59
56.50						1	1	12	1	1				1					91
56.00						1	1	15	2	1								1	119
55.50						1	1	15	2	1									150
55.00						1	1	15	3	1									168
54.50						1	1	15	3	1									162
54.00						1	1	15	3	1									171
53.50						1	1	15	3										89
53.00						1	1	15	3										98
52.50						1	1	15	3										54
52.00						1	1	15	3										36
51.50						1	1	15	3										13
51.00						1	1	15	3										8
50.50						1	1	15	3										0
50.00						1	1	15	3										1
49.50						1	1	15	3										1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HEAD CIRCUMFERENCE	54.92	1.64	$.03 \cdot X +$	1.50	.405
X - WEIGHT	132.22	19.16	$4.73 \cdot Y +$	17.52	

TABLE 131

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER (ACROMIALE) HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
155.25																							1
153.25																							0
151.25																			1	1			2
149.25																			2	2			5
147.25																			2	3			15
145.25																			4	1			38
143.25																			2				44
141.25																			5	2			70
139.25																			38				109
137.25																			11	2			136
135.25																			8				165
133.25																			1				174
131.25																			14	1			172
129.25																			2				140
127.25																			13				109
125.25																			4				66
123.25																			3				54
121.25																			6				18
119.25																			3				12
117.25																			12				0
115.25																			1				1
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	.89X -	1.49	.968
X-STATURE	162.96	6.52	1.05*Y +	1.62	

TABLE 132

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND AXILLA HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
142.25																							1
140.25																				2			2
138.25																					1		2
136.25																				5		1	19
134.25																		7		6			40
132.25																	3	18		4			42
130.25															3	20	17						90
128.25													1	13	41	25	8	2					121
126.25												4	25	55	29	8							150
124.25											5	33	73	33	5	1							187
122.25										7	55	84	35	5	1								186
120.25									1	18	57	68	36	6									173
118.25								21	57	68	17												131
116.25							1	11	46	56	15												85
114.25						1	11	26	19	5													62
112.25						5	35	29	15	1													20
110.25						1	2	9	6														15
108.25						2	7	5	1														4
106.25						1	3																0
104.25																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA HEIGHT	123.25	5.58	.83*X -	1.38	.969
X- STATURE	162.96	6.52	1.13*Y +	23.683	1.61

TABLE 133

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUSTPOINT HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	101
135.50																							1
134.00																							5
132.50																							5
131.00																							15
129.50																							27
128.00																							33
126.50																							44
125.00																							64
123.50																							84
122.00																							121
120.50																							122
119.00																							143
117.50																							139
116.00																							133
114.50																							125
113.00																							82
111.50																							65
110.00																							56
108.50																							35
107.00																							20
105.50																							7
104.00																							1
102.50																							3
101.00																							0
93.50																							1
TOTALS	1	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	$.81 \cdot X -$	1.97	.937
X- STATURE	162.96	6.52	$1.09 \cdot Y +$	2.28	

TABLE 134

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
121.50																							1
120.00																				1			1
118.50																							0
117.00																							0
115.50																							0
114.00																							6
112.50																							12
111.00																							20
109.50																							34
108.00																							36
106.50																							67
105.00																							87
103.50																							91
102.00																							141
100.50																							168
99.00																							172
97.50																							136
96.00																							113
94.50																							86
93.00																							71
91.50																							51
90.00																							15
88.50																							13
87.00																							5
85.50																							3
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- X-	101.39	5.20	$.71 \cdot X -$	2.31	.896
	162.96	6.52	$1.12 \cdot Y +$	2.89	

TABLE 135

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CROTCH HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
92.50																							1
94.00																							0
95.50																							4
97.00																							5
98.50																							21
100.00																							24
101.50																							55
103.00																							79
104.50																							111
106.00																							118
107.50																							169
109.00																							191
110.50																							176
112.00																							155
113.50																							90
115.00																							68
116.50																							35
118.00																							14
119.50																							6
121.00																							2
122.50																							1
TOTALS	1	1	1	6	10	20	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH HEIGHT	76.37	4.38	$.58X +$	2.23	.861
X- STATURE	162.96	6.52	$1.28Y +$	3.32	

TABLE 136

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
103.50																							1
102.00																							0
100.50																							0
99.00																						1	1
97.50																							8
96.00																							6
94.50																							11
93.00																							30
91.50																							45
90.00																							53
88.50																							98
87.00																							132
85.50																							152
84.00																							171
82.50																							155
81.00																							161
79.50																							125
78.00																							86
76.50																							48
75.00																							34
73.50																							9
72.00																							4
70.50																							1
TOTALS	1	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK HEIGHT	83.80	4.67	.59*X -	2.61	.829
X- STATURE	162.96	6.52	1.16*Y +	3.64	

A BIVARIATE FREQUENCY TABLE FOR STATURE AND KNEE HEIGHT

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - KNEE HEIGHT	47.90	2.65	.34*X -	7.506	1.41
X - STATURE	162.96	6.52	2.09*Y +	62.848	3.46
					.848

TABLE 138

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CALF HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
40.75																							101
39.75																							0
38.75																							12
37.75																							25
36.75																							50
35.75																							87
34.75																							120
33.75																							168
32.75																							227
31.75																							219
30.75																							190
29.75																							130
28.75																							55
27.75																							17
26.75																							8
25.75																							2
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	$.26^*X -$	1.58	.729
X- STATURE	162.96	6.52	$2.06^*Y +$	4.46	

TABLE 139

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SITTING HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
95.75																							3
94.75																							3
93.75																							5
92.75																							12
91.75																							25
90.75																							43
89.75																							63
88.75																							97
87.75																							132
86.75																							147
85.75																							129
84.75																							144
83.75																							119
82.75																							112
81.75																							104
80.75																							67
79.75																							53
78.75																							28
77.75																							25
76.75																							5
75.75																							8
74.75																							5
73.75																							1
72.75																							1
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SITTING HEIGHT	85.08	3.59	$.42X +$	16.634	2.30
X- STATURE	162.96	6.52	$1.39Y +$	44.701	4.18
					.767

TABLE 140

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND EYE HEIGHT, SITTING

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
83.75																							3
82.75																		1	1				5
81.75												1					2	1			1	1	9
80.75												1	1				3	1					11
79.75												1	2				6	7	2				32
78.75												6	10	8			10	7	3				58
77.75									1			11	15	14	7		4	5	1	2			80
76.75										9	6	17	16	14	12	14	5	3	2				98
75.75									4	14	21	42	22	17	9	11	4	1					147
74.75									8	21	32	26	25	20	13	6	4						159
73.75									18	25	18	17	20	14	5	1	1	1					135
72.75						1			32	32	16	11	10	8	7	1	1						140
71.75					5	8			24	10	15	12	12	6	2	1	1						132
70.75					4	9	10	17	24	12	10	9	5	3			1						95
69.75					3	5	9	14	13	10	16	4	1	1									93
68.75					2	5	6	5	4	4	2	2	1										47
67.75					2	1	3	8	2	3													36
66.75					3	3	2	2	3														22
65.75					1	1	1	2															16
64.75					1	1																	6
63.75					1	1																	4
62.75					1	1																	3
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- EYE HEIGHT, SITTING	73.64	3.46	$.39^*X +$	2.34	.739
X- STATURE	162.90	6.52	$1.39^*Y +$	4.40	

TABLE 141

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER-ELBOW LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
39.75																		1	1			1	3
38.75																	1	1	1				3
37.75												1	2	2	7	10	4	3	2	4	1		21
36.75									2	2	5	10	22	22	28	12	15	9	3		1		62
35.75									9	10	27	28	44	35	26	20	16	7	4	1			139
34.75									28	45	55	59	50	33	11	17	6	2		1			205
33.75							2	13	28	55	49	47	18	9	2	5	1	1					304
32.75						1	18	28	55	56	49	18	4										289
31.75					1	7	28	49	33	30	14	13		1									197
30.75			3	4	9	13	13	10	18	6	1												78
29.75			1	3	7	4	6	2															23
28.75	1		2	1	1				1														6
27.75		1																					1
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER-ELBOW LENGTH	33.56	1.75	.22*X -	1.03	.808
X- STATURE	162.96	0.52	3.01*Y +	3.84	

A BIVARIATE FREQUENCY TABLE FOR STATURE AND ELBOW-FINGER TIP LENGTH

		STATURE																						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
53.75	.25																							101
43.75	.25																							2
47.75	.25																							9
45.75	.25																							23
45.75	.25																							48
44.75	.25																							85
43.75	.25																							127
42.75	.25																							177
41.75	.25																							231
40.75	.25																							219
39.75	.25																							197
38.75	.25																							125
37.75	.25																							56
30.75	.25																							23
TOTALS		1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

Y- X-	ELBOW-FINGERTIP STATURE	MEAN	STD DEV	REGRESSION	EQUATIONS	SE-EST	R
		43.52	2.28		.26*X +	1.148	
		162.96	6.52		2.09*Y +	72.008	.731

TABLE 143

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND KNEE HEIGHT, SITTING

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
60.75																							1
59.75																							0
58.75																							5
57.75																							9
56.75																							17
55.75																							50
54.75																							74
53.75																							105
52.75																							142
51.75																							186
50.75																							212
49.75																							185
48.75																							157
47.75																							91
46.75																							62
45.75																							28
44.75																							3
43.75																							4
TOTALS	1	1	1	6	11	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STU	DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60		.34*X -	1.34	.857
X- STATURE	162.96	6.52		2.15*Y +	3.36	

TABLE 144

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND POPLITEAL HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
49.75																							2
47.75																							12
46.75																							29
45.75																							60
44.75																							95
43.75																							121
42.75																							200
41.75																							217
40.75																							240
39.75																							167
38.75																							96
37.75																							58
36.75																							24
35.75																							7
34.75																							3
TOTALS	1	1	1	6	10	25	39	67	102	146	150	151	161	140	139	70	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- POPLITEAL HEIGHT	41.68	2.35	$.31^*X$	1.25	.847
X- STATURE	162.96	0.52	2.35^*Y	3.47	

TABLE 145

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK-KNEE LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
68.75																							1
67.75																2							2
66.75																1		1	2				3
65.75											1			2		1	6		1	1		1	7
64.75										1	1		3	4	2	1	6	2	3	2			21
63.75										1	4		4	4	4	8	6	4	1	1			33
62.75										1	7	2	4	4	5	7	7	8	1	3			46
61.75									2	2			3	16	18	9	6	3	2				71
60.75									1	5	6	13	25	13	17	10	9	4					106
59.75									4	9	17	14	26	23	14	11	5		1				124
58.75							2	5	13	18	22	29	25	16	8	4	3	1					146
57.75						4	5	13	27	25	25	33	24	18	7	2							163
56.75						2	9	18	28	29	30	34	17	6	3	2	1						179
55.75					5	7	5	15	27	31	19	18	8	2									137
54.75						5	19	24	19	21	14	11	3	1									123
53.75							5	16	19	6	3	3	1										78
52.75							7	7	4	3	2												35
51.75	1						3	2	1	1													22
50.75		1					4	1															12
49.75																							1
48.75																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	$.36X -$	1.99	.761
X- STATURE	162.96	6.52	$1.02Y +$	4.23	

TABLE 146

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
133.00																							1
130.50																							0
134.00																							0
131.50																							0
129.00																							0
126.50																							0
124.00																							0
121.50																							2
119.00																							2
116.50																							1
114.00																							6
111.50																							7
109.00																							28
106.50																							70
104.00																							117
101.50																							186
99.00																							241
96.50																							230
94.00																							205
91.50																							143
89.00																							64
86.50																							23
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	$.28^*X +$	5.15	.333
X- STATURE	162.96	6.52	$.40^*Y +$	6.15	

TABLE 147

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUST CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
123.50																							1
127.00																							0
129.50																							0
132.00																							0
134.50																							1
137.00																							0
139.50																							3
142.00																							0
144.50																							3
147.00																							0
149.50																							3
152.00																							7
154.50																							9
157.00																							14
159.50																							42
162.00																							74
164.50																							108
167.00																							177
169.50																							189
172.00																							205
174.50																							186
177.00																							167
179.50																							88
182.00																							46
184.50																							8
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	$.24^*X + .49.102$	6.23	.242
X- STATURE	162.96	6.52	$.25^*Y + 140.905$	6.33	

TABLE 148

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
116.50																							1
114.00																							0
111.50																							0
109.00																							0
106.50																							2
104.00																							1
101.50																							2
99.00																							0
96.50																							1
94.00																							4
91.50																							10
89.00																							12
86.50																							19
84.00																							24
81.50																							37
79.00																							75
76.50																							105
74.00																							164
71.50																							180
69.00																							245
66.50																							202
64.00																							139
61.50																							63
59.00																							21
55.50																							4
TOTALS	1	1	6	10	25	39	67	102	140	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	.22*X + 35.163	6.74	.211
X- STATURE	162.96	6.52	.20*Y + 146.756	6.37	

TABLE 149

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
135.00																							1
132.50																		1					1
130.00																							0
127.50																							0
125.00																							0
122.50																							2
120.00																							1
117.50																							1
115.00																							3
112.50																							8
110.00																							14
107.50																							31
105.00																							54
102.50																							101
100.00																							166
97.50																							199
95.00																							225
92.50																							190
90.00																							165
87.50																							82
85.00																							54
82.50																							25
80.00																							6
77.50																							2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.41X +	5.81	.415
X- STATURE	162.96	6.52	.42Y +	5.93	

TABLE 150

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND VERTICAL TRUNK CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	170	172	174	176	178	180	182	184	TOT
186.50																						1
184.50																	1					0
181.50																						1
179.00																						0
176.50																						2
174.00																						5
171.50																						15
169.00																						17
166.50																						32
164.00																						67
161.50																						107
159.00																						141
156.50																						173
154.00																						170
151.50																						183
149.00																						163
146.50																						116
144.00																						60
141.50																						42
139.00																						16
136.50																						12
134.00																						6
131.50																						2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	$.73^*X + .59^*Y$	5.48	.657
X-STATURE	162.96	6.52		4.92	

TABLE 151

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE BACK

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
47.75																							1
48.75																							0
49.75																							1
50.75																							5
51.75																							12
52.75																							18
53.75																							64
54.75																							103
55.75																							157
56.75																							208
57.75																							233
58.75																							201
59.75																							160
60.75																							87
61.75																							44
62.75																							27
63.75																							7
64.75																							3
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE BACK	37.86	2.35	.10*X +	2.26	.279
X- STATURE	162.96	6.52	.77*Y +	6.26	

TABLE 152

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE FRONT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
40.50																							101
40.00																							0
39.50																							0
39.00																							2
38.50											1												1
38.00																							3
37.50																							12
37.00						1																	16
36.50					1																		23
36.00																							37
35.50																							62
35.00																							84
34.50																							102
34.00																							125
33.50																							140
33.00																							175
32.50																							139
32.00																							141
31.50																							84
31.00																							79
30.50																							50
30.00																							30
29.50																							16
29.00																							4
28.50																							5
TOTALS	1	1	5	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE FRONT	33.17	1.75	$.10 \cdot X +$	1.61	.389
X- STATURE	162.96	6.52	$1.42 \cdot Y +$	6.01	

TABLE 153

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BACK CURVATURE-BUST

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
63.00																							1
61.50																							0
60.00																							0
58.50																							0
57.00																							0
55.50																							0
54.00																							2
52.50																							2
51.00																							2
49.50																							7
48.00																							16
46.50																							38
45.00																							81
43.50																							129
42.00																							221
40.50																							258
39.00																							262
37.50																							155
36.00																							106
34.50																							40
33.00																							10
31.50																							0
30.00																							0
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.11*X +	3.09	.220
X- STATURE	162.96	6.52	.45*Y +	6.36	

TABLE 154

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BACK CURVATURE-WAIST

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
50.50																							1
57.00																							0
55.50																							1
54.00																							0
52.50																							1
51.00																							2
49.50																							1
48.00																							2
46.50																							7
45.00																							15
43.50																							17
42.00																							30
44.50																							46
39.00																							83
37.50																							170
36.00																							225
34.50																							269
33.00																							237
31.50																							148
30.00																							63
28.50																							12
27.00																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	$.11^*X + 17.381$	3.41	.203
X- STATURE	162.96	6.52	$.38^*Y + 149.542$	6.39	

TABLE 155

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BACK CURVATURE-HIP

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	170	172	174	176	178	180	182	184	TOTAL
69.00																						107
67.50																						0
66.00												1										1
64.50																						1
63.00																						0
61.50																						0
60.00																						0
58.50																						3
57.00																						4
55.50																						11
54.00																						35
52.50																						37
51.00																						72
49.50																						105
48.00																						188
46.50																						214
45.00																						231
43.50																						192
42.00																						113
40.50																						74
39.00																						36
37.50																						9
36.00																						4
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.19*X +	3.54	.323
X- STATURE	162.96	6.52	.56*Y +	6.17	

TABLE 156

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST BACK

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
51.75																							1
50.75																							0
49.75																							4
48.75																							3
47.75																							8
46.75																							20
45.75																							41
44.75																							57
43.75																							85
42.75																							159
41.75																							204
40.75																							177
39.75																							191
38.75																							156
37.75																							112
36.75																							76
35.75																							24
34.75																							10
33.75																							3
TOTALS	1	1	1	6	10	25	39	67	102	146	151	161	144	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BACK	40.85	2.65	$.21^*X +$	6.631	.521
X- STATURE	162.96	0.52	$1.28^*Y +$	110.667	5.57

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST FRONT

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - WAIST FRONT	36.74	2.63	.12*X +	12.292	
Y - STATURE	162.96	8.52	.92*Y +	129.161	.370

A BIVARIATE FREQUENCY TABLE FOR STATURE AND AXILLA TO WAIST

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- X-					
AXILLA TO WAIST	23.10	2.52	.11*X +	5.175	2.41
STATURE	162.96	6.52	.74*Y +	145.864	6.25
					.286

TABLE 159

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SLEEVE INSEAM

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
54.75																							1
53.75																							1
52.75																							5
51.75																							11
50.75																							23
49.75																							35
48.75																							81
47.75																							93
46.75																							169
45.75																							174
44.75																							200
43.75																							204
42.75																							144
41.75																							110
40.75																							49
39.75																							21
38.75																							5
37.75																							4
36.75																							1
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE INSEAM	45.05	2.61	.30*X -	1.74	.745
X- STATURE	162.96	6.52	1.86*Y +	4.35	

TABLE 160

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SLEEVE OUTSEAM

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
64.75																							101
62.75																							0
61.75																							1
60.75																							4
59.75																							13
58.75																							32
57.75																							44
56.75																							78
55.75																							99
54.75																							130
53.75																							157
52.75																							174
51.75																							161
50.75																							172
49.75																							124
48.75																							72
47.75																							36
46.75																							16
45.75																							10
44.75																							5
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE OUTSEAM	53.80	2.96	.36*X -	1.85	.782
X- STATURE	162.96	6.52	1.72*Y +	4.07	

TABLE 161

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CROTCH LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
100.25																		1					1
98.25																							0
96.25																							0
94.25																							0
92.25																							0
90.25																							0
88.25																							2
86.25																							11
84.25																							17
82.25						1																	37
80.25																							70
78.25						2																	152
76.25					1	1																	165
74.25					3	5																	202
72.25	1		1		3	10																	191
70.25					6	10																	184
68.25					3	3																	120
66.25						5																	86
64.25					3	4																	34
62.25					1	1																	26
60.25					1	1																	13
58.25					1	1																	10
56.25																							2
54.25																							4
52.25																							4
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH LENGTH	72.93	5.46	$.36 \cdot X +$	4.94	.425
X- STATURE	162.96	6.52	$.21 \cdot Y +$	5.90	

TABLE 162

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HEAD CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	101
61.00																							1
60.50																							3
60.00																							1
59.50																							10
59.00																							7
58.50																							12
58.00																							31
57.50																							46
57.00																							59
56.50																							91
56.00																							119
55.50																							150
55.00																							168
54.50																							162
54.00																							171
53.50																							89
53.00																							98
52.50																							54
52.00																							36
51.50																							13
51.00																							8
50.50																							0
50.00																							1
49.50																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	144	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD CIRCUMFERENCE	54.92	1.64	$.09^*X +$	1.52	.365
X- STATURE	162.96	6.52	$1.45^*Y +$	6.07	

TABLE 163

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HAND LENGTH

STATURE																								
20.30	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
20.30																							3	
20.00													1				1		1	1			4	
19.70													2	3		2		1	1	1			10	
19.40									1		1	3	3	5	2	3	5	1	1	1	2		27	
19.10										1	3	4	8	5	7	1	6	3		1		1	40	
18.80							1	3	1	2	1	4	3	8	5	7	1	5	3	2			45	
18.50													15	12	7	9	8	7	1				84	
18.20					1		1	3	5	5	15	14	20	16	19	14	9	2	1	1			106	
17.90							2	6	8	9	19	28	27	18	11	14	6	2	3				146	
17.60							3	11	16	18	28	23	27	13	12	4	3	1					171	
17.30							6	14	29	19	20	22	28	10	7	5	2	2					168	
17.00					1		8	18	28	32	21	30	10	9	5	3							174	
16.70				1	5	4	13	13	24	25	22	15	8	7	2		2						141	
16.40			2	1	2	7	17	14	19	21	8	8	1	2	1								101	
16.10	1		1	1	2	9	11	11	9	8	4	2	2	1									62	
15.80			2	2	5	2	3	6	2	2	1												27	
15.50					6	4	2	1	1														15	
15.20						2		2															5	
14.90							1																2	
TOTALS	1	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331	

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	.44	.90	.09*X +	.70	.634
X-	.96	6.52	4.58*Y +	5.04	

TABLE 164

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOOT LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
30.00																							1
29.50																							0
29.00																							0
28.50																							1
28.00																							5
27.50																							16
27.00																							15
26.50																							48
26.00																							95
25.50																							115
25.00																							169
24.50																							206
24.00																							205
23.50																							195
23.00																							130
22.50																							75
22.00																							36
21.50																							13
21.00																							6
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT LENGTH	24.32	1.25	$.13X +$	.90	.694
X- STATURE	162.96	9.52	$3.62Y +$	4.70	

TABLE 165

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ANKLE HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
15.00																							1
14.70																							0
14.40																							3
14.10									1						1		4		1		1		7
13.80																1					1		2
13.50																							2
13.20																							2
12.90									1														17
12.60											2												17
12.30										1	1												36
12.00												3											34
11.70													3										66
11.40														3									105
11.10															3								150
10.80																8							133
10.50																	8						166
10.20																		8					159
9.90																			7				117
9.60																							75
9.30																							50
9.00																							28
8.70																							19
8.40																							4
8.10																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE HEIGHT	10.86	1.02	$.08^*X -$	.88	.504
X- STATURE	162.96	6.52	$3.23^*Y +$	5.63	

TABLE 166

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPHYRION HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
3.45																							1
8.25																				1			1
8.05										1											1		3
7.85									1														8
7.65																							13
7.45																							37
7.25																							54
7.05																							139
6.85																							159
6.65																							166
6.45																							190
6.25																							176
6.05																							185
5.85																							77
5.65																							47
5.45																							41
5.25																							24
5.05																							7
4.85																							1
4.65																							2
TOTALS	1	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SPHYRION HEIGHT	6.46	.54	.03*X +	.50	.401
X- STATURE	162.96	6.52	4.62*Y +	5.97	

TABLE 167

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER (ACROMIALE) HEIGHT AND AXILLA HEIGHT

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT
142.25																						1
140.25																		1	1			2
138.25																		1	1			2
136.25																	4	11	3			19
134.25															1	25	4					40
132.25														12	21	9						42
130.25																						90
128.25													1	31	69	9						121
126.25												3	52	86	9							150
124.25												5	71	100	11							187
122.25												4	77	95	10							186
120.25												9	72	87	5							173
118.25												2	65	61	3							131
116.25												5	43	34	3							85
114.25												3	37	21	1							62
112.25												9	11									20
110.25												8	6	1								15
108.25												4										4
106.25																						0
104.25	1																					1
TOTALS	1	0	12	18	54	66	109	140	172	174	165	130	109	70	44	38	15	5	2	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA HEIGHT	123.25	5.58	$.92^*X +$	.89	
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	$1.00^*Y +$	.96	.987

TABLE 168

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER (ACROMIALE) HEIGHT AND BUSTPOINT HEIGHT

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	101
.25																						ALS
135.50																						1
134.00																						5
132.50																						5
131.00																						15
129.50																						27
128.00																						33
126.50																						44
125.00																						64
123.50																						84
122.00																						121
120.50																						122
119.00																						143
117.50																						139
116.00																						133
114.50																						125
113.00																						82
111.50																						65
110.00																						56
108.50																						35
107.00																						20
105.50																						7
104.00																						1
102.50																						3
101.00																						0
99.50																						1
TOTALS	1	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	.89*X -	1.85	.942
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.01*Y +	14.012	1.97

TABLE 169

A BIVARIATE CORRELATION TABLE FOR
SHOULDER (ACROMIAL) HEIGHT AND WAIST HEIGHT

SHOULDER (ACROMIAL) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOTAL
115	1																					1
117		1																				1
119			1																			1
121				1																		1
123					1																	1
125						1																1
127							1															1
129								1														1
131									1													1
133										1												1
135											1											1
137												1										1
139													1									1
141														1								1
143															1							1
145																1						1
147																	1					1
149																		1				1
151																			1			1
153																				1		1
155																					1	1
TOTAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	$.77X$	1.397	.890
X-SHOULDER (ACROMIAL) HEIGHT	133.49	6.00	$1.03Y$	29.058	2.73

TABLE 170

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER (ACROMIALE) HEIGHT AND CROTCH HEIGHT

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT
92.50																						1
91.00																						0
89.50																						4
88.00																						5
86.50																					1	21
85.00																						24
83.50																						55
82.00																						79
80.50																						111
79.00																						118
77.50																						169
76.00																						191
74.50																						176
73.00																						155
71.50																						96
70.00																						68
68.50																						35
67.00																						14
65.50																						6
64.00																						2
62.50																						1
TOTALS	1	3	12	18	54	66	109	140	172	174	165	136	149	70	44	38	15	5	2	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - CROTCH HEIGHT	76.37	4.38	.63*X -	2.17	.859
X - SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.19*Y +	2.97	

TABLE 171

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER (ACROMIALE) HEIGHT AND SHOULDER BREADTH

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT
SHOULDER BREADTH																						ALS
55.75																						1
54.75																						0
53.75																						0
52.75																						1
51.75																						0
50.75																						1
49.75																						1
48.75																						1
47.75																						5
46.75																						7
45.75																						19
44.75																						60
43.75																						120
42.75																						159
41.75																						236
40.75																						239
39.75																						192
38.75																						153
37.75																						79
36.75																						46
TOTALS	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER BREADTH	42.05	2.24	.15*X +	22.022	2.06
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.05*Y +	89.342	5.52
					.390

TABLE 172

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER (ACROMIALE) HEIGHT AND SHOULDER CIRCUMFERENCE

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT
139.00																						1
136.50																						0
134.00																						0
131.50																						0
129.00																						0
126.50																						0
124.00																						0
121.50																						2
119.00																						2
116.50																						1
114.00																						6
111.50																						7
109.00																						20
106.50																						70
104.00																						117
101.50																						186
99.00																						241
96.50																						230
94.00																						205
91.50																						143
89.00																						64
86.50																						23
TOTALS	1	0	12	18	54	60	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	$.32^*X +$	5.11	.354
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	$.39^*Y +$	94.339	5.61

TABLE 173

A BIVARIATE FREQUENCY TABLE FOR
AXILLA HEIGHT AND BUSTPOINT HEIGHT

AXILLA HEIGHT

	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	TOT
135.50																					1
134.00																					5
132.50																					5
131.00																					15
129.50																					27
128.00																					33
126.50																					44
125.00																					64
123.50																					84
122.00																					121
120.50																					122
119.00																					143
117.50																					139
116.00																					133
114.50																					125
113.00																					82
111.50																					65
110.00																					56
108.50																					35
107.00																					20
105.50																					7
104.00																					1
102.50																					3
101.00																					0
99.50																					1
TOTALS	1	0	4	15	20	62	85	131	173	186	187	150	121	90	42	40	19	2	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	$.96^*X -$	1.66	.955
X- AXILLA HEIGHT	123.25	5.58	$.95^*Y +$	10.872	1.65

TABLE 174

A BIVARIATE FREQUENCY TABLE FOR
AXILLA HEIGHT AND CHEST CIRCUMFERENCE AT SCYE

AXILLA HEIGHT

	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	TOT
120.25																					1
118.25																					0
116.25																					0
114.25																					0
112.25																					0
110.25													1								1
108.25																					1
106.25															1						1
104.25																					1
102.25																					1
100.25																					2
98.25																					7
96.25																					9
94.25																					30
92.25																					27
90.25																					86
88.25																					131
86.25																					178
84.25																					183
82.25																					217
80.25																					169
78.25																					152
76.25																					86
74.25																					38
72.25																					9
TOTALS	1	0	4	15	20	62	85	131	173	180	187	150	121	90	42	40	19	2	2	1	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.26^*X +$	4.99	.278
X-AXILLA HEIGHT	123.25	5.58	$.30^*Y +$	5.36	

TABLE 175

A BIVARIATE FREQUENCY TABLE FOR
AXILLA HEIGHT AND ARM SCYE CIRCUMFERENCE

AXILLA HEIGHT

	104	106	108	110	112	114	116	118	120	122	124	126	126	126	130	132	134	136	138	140	142	TOT
51.75															1							1
50.75																						0
49.75																						0
48.75																						0
47.75																						1
46.75																						1
45.75																						3
44.75																						7
43.75																						11
42.75																						20
41.75																						41
40.75																						76
39.75																						122
38.75																						188
37.75																						226
36.75																						205
35.75																						210
34.75																						124
33.75																						61
32.75																						25
31.75																						7
30.75																						2
TOTALS	1	0	4	15	20	62	85	131	173	186	187	150	121	90	42	40	19	2	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ARM SCYE CIRCUMFERENCE	37.52	2.42	$.16 \cdot X +$	2.26	.361
X- AXILLA HEIGHT	123.25	5.58	$.83 \cdot Y +$	92.111	5.20

TABLE 176

A BIVARIATE FREQUENCY TABLE FOR
AXILLA AXILLA TO WAIST

AXILLA HEIGHT

	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	TOT
34.75											1										1
33.75									1	1	1										0
32.75									1	1											1
31.75									1	1	2	2	2	5	3		1				5
30.75									1	1					1						13
29.75							1		1	1	2	2	1	3	1	2					11
28.75									1	2	1	2	1	4	1	2					11
27.75							1	2	5	5	3	2	2	4	2	2	1				29
26.75					1	4	1	2	7	6	8	7	7	12	4	2	1				62
25.75						1	6	8	9	14	10	14	16	5	8	5	3	1			100
24.75				1	2	5	7	11	15	21	34	21	15	10	4	6	2				154
23.75						6	9	19	26	33	34	34	25	9	6	6	5	1			213
22.75					3	8	10	22	34	48	27	28	13	13	5	11	2		1	1	197
21.75			2	3	4	13	16	16	26	41	33	18	10	15	6	5	4		1		213
20.75			1	4	6	10	10	31	26	26	23	12	13	8	1	1					172
19.75				3	3	9	14	11	14	14	5	7	11	5	1						94
18.75				1	3	5	8	6	3	1	5	4	1								37
17.75	1			2	3	1	2	2	3	1	1	1									14
16.75																					4
TOTALS	1	4	4	15	20	62	85	131	173	186	167	150	121	90	42	40	19	2	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA TO WAIST	23.10	2.52	.14*X +	5.845	.311
X- AXILLA HEIGHT	123.25	5.58	.69*Y +	107.313	5.30

TABLE 177

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND WAIST HEIGHT

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
121.50																										1
120.00																										1
118.50																										0
117.00																										0
115.50																										6
114.00																										12
112.50																										20
111.00																										34
109.50																										36
108.00																										67
106.50																										87
105.00																										91
103.50																										141
102.00																										168
100.50																										172
99.00																										136
97.50																										113
96.00																										86
94.50																										71
93.00																										51
91.50																										15
90.00																										13
88.50																										5
87.00																										3
85.50																										2
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	17	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	.82X +	4.388	2.45
X- BUSTPOINT HEIGHT	118.30	5.63	.95Y +	21.975	2.65

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND CROTCH HEIGHT

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-					
	76.37	4.38	.68*X	2.08	.880
X-					
	118.30	5.63	1.13*Y	2.68	

TABLE 179

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND BUTTOCK HEIGHT

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	127	129	131	132	134	135	TOTAL
103.50																									1
102.00																									0
100.50																									0
99.00																									1
97.50																									0
96.00																									1
94.50																									6
93.00																									11
91.50																									30
90.00																									45
88.50																									53
87.00																									98
85.50																									132
84.00																									152
82.50																									171
81.00																									155
79.50																									161
78.00																									125
76.50																									86
75.00																									48
73.50																									34
72.00																									9
70.50																									4
TOTALS	1	0	3	1	7	20	35	50	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK HEIGHT	83.80	4.67	.71X -	2.42	.855
X- BUSTPOINT HEIGHT	118.30	5.63	1.03Y +	31.987	2.92

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND BUST DEPTH

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	22.92	2.23	.04*X +	10.197	2.21
X-	118.50	5.65	.27*Y +	112.107	5.59
					.100

TABLE 181

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND CHEST BREADTH

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
40.75																										1
39.75																										0
38.75																										1
37.75																										0
36.75																										0
35.75																										0
34.75																										3
33.75																										6
32.75																										22
31.75																										44
30.75																										85
29.75																										211
28.75																										271
27.75																										272
26.75																										1 239
25.75																										124
24.75																										46
23.75																										6
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CHEST BREADTH	28.25	1.86	$.06^*X +$	21.150	1.82
X- BUSTPOINT HEIGHT	118.30	5.63	$.59^*Y +$	101.630	5.52
					.193

TABLE 182

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND SHOULDER CIRCUMFERENCE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	101
139.00																										1
136.50																										0
134.00																										0
131.50																										0
129.00																										0
126.50																										0
124.00																										0
121.50																										2
119.00																										2
116.50																										1
114.00																										6
111.50																										7
109.00																										28
106.50																										70
104.00																										117
101.50																										186
99.00																										241
96.50																										230
94.00																										205
91.50																										143
89.00																										64
86.50																										23
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	106.39	5.46	$.27^*X + 68.448$	5.25	.273
X- BUSTPOINT HEIGHT	118.30	5.63	$.28^*Y + 90.187$	5.41	

TABLE 183

BUSTPOINT HEIGHT

SUMMARY STATISTICS

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TABLE 184

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND BUST CIRCUMFERENCE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
129.50																										1
127.00																										0
124.50																										0
122.00																										0
119.50																										1
117.00																										0
114.50																										3
112.00																										0
109.50																										3
107.00																										3
104.50																										9
102.00																										14
99.50																										42
97.00																										74
94.50																										108
92.00																										177
89.50																										189
87.00																										205
84.50																										186
82.00																										167
79.50																										88
77.00																										46
74.50																										8
72.00																										2
69.50																										1
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.20X +	64.550	.175
X- BUSTPOINT HEIGHT	118.30	7.63	.15*Y +	105.003	5.54

TABLE 185

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOTAL
108.25																										1
106.25																										0
104.25																										0
102.25																										0
100.25																										1
98.25																										0
96.25																										1
94.25																										1
92.25																										0
90.25																										1
88.25																										0
86.25																										1
84.25																										0
82.25																										1
80.25																										0
78.25																										1
76.25																										0
74.25																										1
72.25																										0
70.25																										1
68.25																										0
66.25																										1
64.25																										0
62.25																										1
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.21*X +	49.978	4.88
X-BUSTPOINT HEIGHT	118.30	5.63	.20*Y +	98.842	5.47
					.236

TABLE 186

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND WAIST CIRCUMFERENCE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
.50 . 0 .50	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
116.50																										1
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										245
66.50																										202
64.00																										139
61.50																										83
59.00																										21
56.50																										4
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$.20^*X + .47.355$	6.80	.105
X- BUSTPOINT HEIGHT	118.30	5.63	$.13^*Y + 109.064$	5.55	

TABLE 187

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CROTCH HEIGHT

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
.50 . 0 .50	1																									1
92.50																										0
91.00																										4
89.50																										5
88.00																										21
86.50																										24
85.00																										55
83.50																										79
82.00																										111
80.50																										118
79.00																										169
77.50																										191
76.00																										176
74.50																										155
73.00																										96
71.50																										68
70.00																										35
68.50																										14
67.00																										6
65.50																										2
64.00																										1
62.50																										1
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH HEIGHT	76.37	4.38	$.74^*X +$	1.338	2.06
X- WAIST HEIGHT	101.39	5.20	$1.05^*Y +$	21.205	2.45
					.882

TABLE 108

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND BUTTOCK HEIGHT

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
103.50																										1
102.00																										0
100.50																										0
99.00																										1
97.50																										6
96.00																										11
94.50																										30
93.00																										45
91.50																										53
90.00																										98
88.50																										132
87.00																										152
85.50																										171
84.00																										155
82.50																										161
81.00																										125
79.50																										86
78.00																										48
76.50																										34
75.00																										9
73.50																										4
72.00																										1
70.50																										1
TOTALS	2	3	5	13	15	51	71	86	113	130	172	168	141	91	87	67	36	34	20	12	6	0	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - BUTTOCK HEIGHT	83.80	4.67	$.76^*X + 6.739$	2.51	.843
X - WAIST HEIGHT	101.39	5.20	$.94^*Y + 22.623$	2.79	

TABLE 169

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND KNEE HEIGHT

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
57.75																										1
56.75																										2
55.75																										0
54.75																										0
53.75																										25
52.75																										40
51.75																										74
50.75																										111
49.75																										130
48.75																										174
47.75																										204
46.75																										206
45.75																										143
44.75																										110
43.75																										66
42.75																										22
41.75																										10
40.75																										3
39.75																										2
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - KNEE HEIGHT	47.90	2.65	.43*X +	4.302	1.39
X - WAIST HEIGHT	101.39	5.20	1.67*Y +	21.398	2.72
					.852

TABLE 190

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND WAIST DEPTH

WAIST HEIGHT

	95	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
32.75													1													1
31.75												1														1
30.75												1														1
29.75										1																1
28.75													1													1
27.75																										0
26.75																										2
25.75																										5
24.75																										8
23.75																										18
22.75																										23
21.75																										62
20.75																										82
19.75																										158
18.75																										233
17.75																										279
16.75																										254
15.75																										149
14.75																										47
13.75																										6
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	r
Y- WAIST DEPTH	16.29	2.21	.01*X +	2.21	.018
X- WAIST HEIGHT	101.39	5.20	.04*Y +	100.658	5.20

TABLE 191

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND WAIST BREADTH

WAIST HEIGHT

	35	37	38	39	40	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOTAL
39.75																											1
38.75																											1
37.75																											0
36.75																											1
35.75																											0
34.75																											2
33.75																											7
32.75																											10
31.75																											10
30.75																											25
29.75																											34
28.75																											83
27.75																											120
26.75																											158
25.75																											217
24.75																											1
23.75																											249
22.75																											198
21.75																											138
20.75																											61
19.75																											15
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	$.04X + .17Y +$	21.525	2.45
X- WAIST HEIGHT	101.39	5.20	$.04X + .17Y +$	97.041	5.18

TABLE 192

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOTAL
116.50																										101
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										1
91.50																										4
89.00																										10
86.50																										12
84.00																										19
81.50																										24
79.00																										37
76.50																										75
74.00																										105
71.50																										164
69.00																										180
66.50																										245
64.00																										202
61.50																										139
59.00																										83
56.50																										21
TOTALS	2	3	5	13	15	51	71	80	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	0.90	.00*X +	6.89	.061
X- WAIST HEIGHT	101.39	5.20	.05*Y +	5.19	

TABLE 193

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND BUTTOCK HEIGHT

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	TOTAL
103.50																						101
102.00																						92
100.50																						91
99.00																						90
97.50																						89
96.00																						88
94.50																						87
93.00																						86
91.50																						85
90.00																						84
88.50																						83
87.00																						82
85.50																						81
84.00																						80
82.50																						79
81.00																						78
79.50																						77
78.00																						76
76.50																						75
75.00																						74
73.50																						73
72.00																						72
70.50																						71
TOTALS	1	2	6	14	35	68	96	125	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK HEIGHT	83.80	4.07	$1.00X + 7.428$	1.63	.937
X- CROTCH HEIGHT	76.37	4.38	$.88Y + 2.027$	1.53	

TABLE 194

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND KNEE HEIGHT

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	TOT
57.75																						1
58.75																						2
59.75																						0
60.75																						8
61.75																						25
62.75																						40
63.75																						74
64.75																						111
65.75																						130
66.75																						174
67.75																						204
68.75																						206
69.75																						143
70.75																						110
71.75																						66
72.75																						22
73.75																						10
74.75																						3
75.75																						2
TOTALS	1	2	6	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT	47.90	2.65	$.50^*X +$	1.05	.919
X- CROTCH HEIGHT	76.37	4.38	$1.52^*Y +$	1.73	

TABLE 195

CROTCH HEIGHT

SUMMARY STATISTICS

[illegible]

TABLE 196

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND SITTLING HEIGHT

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	101
95.75																						
94.75											1		1									
93.75									1	1	1		1				1					3
92.75								1			4			2	1			1				5
91.75						1		3		1	4		4	3	4	2	3					12
90.75							1		3	6	3	6	5	8	5	3	2		1			25
89.75										8	5	14	7	4	2	2	3	1				43
88.75						1	1	8	7	16	16	13	11	13	4	3	3	1	1			63
87.75						3	6	14	17	25	22	11	11	8	8	5						97
86.75						1	3	16	19	25	26	15	17	6	9	2	2					132
85.75				1	1	6	12	15	13	20	14	17	13	9	5	1	2					147
84.75				2	4	7	12	18	22	26	21	11	8	3	5	2	1		1		1	129
83.75				1	1	8	12	20	25	15	8	8	9	4	4	1	2					144
82.75			2	4	7	9	14	15	12	12	11	4	11	6	4			1				119
81.75				3	5	6	9	13	19	9	15	8	6	8	2	1						112
80.75		1	1	1	3	7	5	11	12	8	9	1	6	2	1							104
79.75				1	2	11	3	7	7	7	5	5	4	1								67
78.75		1	2		4	4	6	1	5	3	1	1										53
77.75			1		1	1	5	5	5	3	3	3	1									28
76.75									1	2	1		1									25
75.75	1								1	3	1											5
74.75																						8
73.75																						5
72.75																						1
TOTALS	1	2	6	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION	EQUATIONS	SE-EST	R
Y- SITTLING HEIGHT	85.68	3.59	.32*X	+	3.30	.394
X- CROTCH HEIGHT	76.37	4.38	.48*Y	+	4.02	

TABLE 197

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND CROTCH LENGTH

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	TOT
.50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50	1																					1
100.25																						1
98.25																						0
96.25																						0
94.25																						0
92.25																						0
90.25																						0
88.25																						2
86.25																						11
84.25																						17
82.25																						37
80.25																						70
78.25																						152
76.25																						165
74.25																						202
72.25																						191
70.25																						184
68.25																						120
66.25																						86
64.25																						34
62.25																						26
60.25																						13
58.25																						10
56.25																						2
54.25																						4
52.25																						4
TOTALS	1	2	0	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH LENGTH	72.93	5.46	.26*X +	5.34	.205
X- CROTCH HEIGHT	76.37	4.38	.16*Y +	4.29	

TABLE 198

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND KNEE HEIGHT

BUTTOCK HEIGHT

	70	72	73	75	76	78	79	81	82	84	85	87	88	90	91	93	94	96	97	99	100	102	103	TOT
57.75																								1
56.75																			2					2
55.75																								0
54.75																								8
53.75																								25
52.75																								40
51.75																								74
50.75																								111
49.75																								130
48.75																								174
47.75																								204
46.75																								206
45.75																								143
44.75																								110
43.75																								66
42.75																								22
41.75																								10
40.75																								3
39.75																								2
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	53	45	30	11	6	8	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT	47.90	2.65	$.51X +$	1.20	.891
X- BUTTOCK HEIGHT	83.80	4.67	$1.57Y +$	2.12	

TABLE 199
A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND CALF HEIGHT

BUTTOCK HEIGHT																									
70	72	73	75	76	78	79	81	82	84	85	87	88	90	91	93	94	96	97	99	100	102	103	TOT		
.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS		
40.75																							1		
39.75																							0		
38.75																							12		
37.75																							25		
36.75																							50		
35.75																							67		
34.75																							120		
33.75																							188		
32.75																							227		
31.75																							219		
30.75																							190		
29.75																							130		
28.75																							55		
27.75																							17		
26.75																							8		
25.75																							2		
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	73	45	30	11	6	8	1	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	$.41 \cdot X -$	1.31	.823
X- BUTTOCK HEIGHT	83.80	4.67	$1.67 \cdot Y +$	2.66	

TABLE 200

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND HIP BREADTH

BUTTOCK HEIGHT

	70	72	73	75	76	78	79	81	82	84	85	87	88	90	91	93	94	96	97	99	100	102	103	TOT
70																								1
.50																								1
48.75																								1
47.75																								1
46.75																								0
45.75																								0
44.75																								1
43.75																								1
42.75																								1
41.75																								7
40.75																								9
39.75																								19
38.75																								45
37.75																								65
36.75																								137
35.75																								163
34.75																								211
33.75																								228
32.75																								191
31.75																								134
30.75																								71
29.75																								32
28.75																								11
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	53	45	30	11	6	8	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	$.16^*X +$	2.36	.293
X- BUTTOCK HEIGHT	83.80	4.67	$.56^*Y +$	4.46	

TABLE 201

SUMMARY STATISTICS

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TABLE 202

A BIVARIATE FREQUENCY TABLE FOR
KNEE HEIGHT AND CALF HEIGHT

KNEE HEIGHT

	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	TOT
40.75																				1
39.75																				0
38.75																				12
37.75																				25
36.75																				50
35.75																				87
34.75																				126
33.75																				188
32.75																				227
31.75																				219
30.75																				190
29.75																				130
28.75																				55
27.75																				17
26.75																				8
25.75																				2
TOTALS	2	3	10	22	66	116	143	206	204	174	130	111	74	40	25	8	0	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	.73*X	1.24	.843
X- KNEE HEIGHT	47.90	2.65	.97*Y	1.42	

TABLE 203

A BIVARIATE FREQUENCY TABLE FOR
KNEE HEIGHT AND KNEE HEIGHT, SITTING

KNEE HEIGHT

	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	TOT
60.75																				1
59.75																				0
58.75																		1	1	5
57.75													1	3	2	3				9
56.75												1	2	8	6					17
55.75												10	13	15	10	2				50
54.75										1	9	21	28	9	5	1				74
53.75										4	12	23	42	17	5					105
52.75									2	14	39	50	26	11						142
51.75							1	5	23	41	65	39	10	2						186
50.75						3	8	33	70	58	45	9	1							212
49.75				2	3	11	36	61	46	11										185
48.75				1	11	12	43	22	9		1									157
47.75			1	3	12	27	24	2												91
46.75		1	2	6	10	12	1													62
45.75		1	4	10	12															28
44.75		2	2																	3
43.75	2	1	1																	4
TOTALS	2	5	10	22	66	116	143	206	264	174	130	111	74	40	20	8	0	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	.90*X +	1.03	.919
X- KNEE HEIGHT	47.90	2.65	.94*Y +	1.04	

TABLE 204

A BIVARIATE FREQUENCY TABLE FOR
KNEE HEIGHT AND KNEE CIRCUMFERENCE

KNEE HEIGHT

	33 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	TOT ALS
45.75											1									1
44.75																				0
43.75																				0
42.75																				3
41.75																				7
40.75																				12
39.75																				19
38.75																				44
37.75																				93
36.75																				160
35.75																				197
34.75																				246
33.75																				212
32.75																				163
31.75																				112
30.75																				47
29.75																				13
28.75																				2
TOTALS	2	3	10	22	66	110	143	206	204	174	130	111	74	40	25	8	0	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE CIRCUMFERENCE	34.83	2.26	$.27^*X +$	2.14	.319
X- KNEE HEIGHT	47.90	2.65	$.37^*Y +$	2.51	

TABLE 205
A BIVARIATE FREQUENCY TABLE FOR
CALF HEIGHT AND BICEPS CIRCUMFERENCE, FLEXED

	CALF HEIGHT																TOT
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	ALS
39.25																	1
38.25																	0
37.25														1			1
36.25																	0
35.25																	2
34.25																	4
33.25						1						1		1			7
32.25							4	3	2				1				12
31.25					1	3	9	8	5	2		3	2				39
30.25	1			3	8	7	10	6	10	9	6	6	4	1			71
29.25		1	1	2	11	16	8	20	15	9	14	5	3	1			106
28.25		1	3	5	23	28	37	33	27	19	16	5	3	2			202
27.25	1	1	3	10	19	32	41	48	33	28	16	10	6	1			249
26.25			3	9	20	26	35	33	33	18	12	11	2	4		1	207
25.25		2	3	12	21	31	32	31	32	14	9	4	2	1			194
24.25		2	1	6	14	30	24	23	14	9	4	3	2				132
23.25		1	1	5	8	9	10	7	12	3	5	1					62
22.25			1	2	3	5	7	11	2	2	1						34
21.25			1		2	2	1	2									8
TOTALS	2	8	17	55	130	190	219	227	188	120	87	50	25	12	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	.18*X +	2.26	.183
X-CALF HEIGHT	32.55	2.30	.16*Y +	2.26	

TABLE 206

A BIVARIATE FREQUENCY TABLE FOR
CALF HEIGHT AND ANKLE HEIGHT

CALF HEIGHT

	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
15.00																	1
14.70																	0
14.40																1	3
14.10									1			2	2	1			7
13.80											1		1				2
13.50										1							2
13.20											1						2
12.90								4	3	3	3	1	1	2			17
12.60							1	1	4	1	6	2	2				17
12.30							4	6	6	8	5	6		1			36
12.00			1				4	1	11	4	4	4	4	1			34
11.70			2				9	15	19	12	11	6	1	1			86
11.40			1				9	11	23	15	16	11	9	1			105
11.10			1				14	25	30	22	10	8	7	5			150
10.80			1	4			21	22	19	23	13	12					133
10.50			1	5			33	26	38	23	16	6	2				166
10.20			2	12			20	36	27	26	10	4	2				159
9.90			4	7			21	27	18	13	9						119
9.60			2	6			12	18	9	4							117
9.30			2	6			7	8	4	2							75
9.00			5	2			2	6	2	1							50
8.70	1	1	4	4			4	2	1								28
8.40	1		1				1										19
8.10																	4
TOTALS	2	8	17	55	130	190	219	227	168	120	87	50	25	12	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE HEIGHT	10.86	1.02	$.23^*X +$	.86	.520
X- CALF HEIGHT	32.55	2.30	$1.19^*Y +$	1.96	

TABLE 207
A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND EYE HEIGHT, SITTING

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
83.75																									
82.75																									
81.75																									
80.75																									
79.75																									
78.75																									
77.75																									
76.75																									
75.75																									
74.75																									
73.75																									
72.75																									
71.75																									
70.75																									
69.75																									
68.75																									
67.75																									
66.75																									
65.75																									
64.75																									
63.75																									
62.75																									
TOTALS	1	1	1	5	3	5	25	28	53	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- EYE HEIGHT, SITTING	73.64	3.46	.93*X -	5.482	.91
X- SITTING HEIGHT	85.08	3.59	1.00*Y +	11.437	.94

TABLE 208

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND ELBOW-FINGER TIP LENGTH

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
50.75										1					1										2
49.75										1	1	1	1	1	1	1	1	1	1	1	1				9
48.75										1	1	2	4	1	2	4	3	3	5	4	1		1		23
47.75									1	3	2	4	6	5	4	3	6	3	5	4	1	1			48
46.75							1	1	5	8	4	9	7	10	9	10	5	6	4	5	1				85
45.75			1			1	1	6	5	10	6	9	9	11	14	12	11	10	12	3	3	1	1	1	127
44.75			1	1		4	2	12	5	11	10	7	14	18	22	23	14	10	9	3	3	1	1	1	177
43.75			1	2		6	6	6	8	14	12	20	30	14	29	30	25	11	5	5	1	1	1	1	231
42.75			1	1	3	5	2	4	10	15	17	21	28	32	31	17	18	12	4	1	1				197
41.75			1	2	1	4	1	6	14	17	14	21	29	24	25	19	9	8	1						125
40.75	1		1	1	1	2	6	13	8	12	23	16	12	10	5	9	5	1							58
39.75		1	1			1	5	3	6	12	9	6	9	4	3	4									23
38.75				1			3	1	4	1	7	3	2		1										6
37.75						2		1	1		2														1
36.75							1																		1
TOTALS	1	1	5	0	5	25	26	53	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ELBOW-FINGERTIP LENGTH	43.52	2.28	$.21 \cdot X +$	2.16	
X- SITTING HEIGHT	85.08	3.59	$.52 \cdot Y +$	3.39	.328

TABLE 209
A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND KNEE HEIGHT, SITTING

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
60.75																									1
59.75																									0
58.75																									5
57.75																									9
56.75																									17
55.75																									50
54.75																									74
53.75																									105
52.75																									142
51.75																									186
50.75																									212
49.75																									185
48.75																									157
47.75																									91
46.75																									62
45.75																									28
44.75																									3
43.75																									4
TOTALS	1	1	5	8	5	25	28	33	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	.32*X +	2.33	.445
X- SITTING HEIGHT	85.08	3.59	.61*Y +	3.22	

TABLE 210

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND KNEE HEIGHT, SITTING

EYE HEIGHT, SITTING

	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	TOTAL
62	1																						1
63		1																					1
64			1																				1
65				1																			1
66					1																		1
67						1																	1
68							1																1
69								1															1
70									1														1
71										1													1
72											1												1
73												1											1
74													1										1
75														1									1
76															1								1
77																1							1
78																	1						1
79																		1					1
80																			1				1
81																				1			1
82																					1		1
83																						1	1
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	$.31^*X + 28.164$	2.37	.418
X- EYE HEIGHT, SITTING	73.64	3.46	$.56^*Y + 45.084$	3.15	

TABLE 211

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER-ELBOW LENGTH AND ELBOW-FINGERTIP LENGTH

SHOULDER-ELBOW LENGTH

	27	28	29	30	31	32	33	34	35	36	37	38	39	TOT
50.75									1		1			2
49.75								1	2	3	1	1	1	9
48.75								1	6	6	6	2	2	23
47.75								8	17	13	4			48
46.75						1	5	24	22	22	6			85
45.75					2	13	20	40	42	8	2			127
44.75				1	6	22	54	59	25	9	1			177
43.75				4	15	55	96	43	17	1				231
42.75				9	37	78	67	22	6					219
41.75				1	20	59	43	7	1					197
40.75			1	3	23	50	38	10						125
39.75		1	3	11	12	20	11	1						58
38.75		2	5	7	7	2								23
37.75			3	2	1									6
36.75	1													1
TOTALS	1	6	23	78	197	289	304	209	139	62	21	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ELBOW-FINGERTIP LENGTH	43.52	2.28	$1.03 \cdot X +$	1.42	.785
X- SHOULDER-ELBOW LENGTH	33.56	1.75	$.60 \cdot Y +$	1.08	

TABLE 212
A BIVARIATE FREQUENCY TABLE FOR
KNEE HEIGHT, SITTING AND POPLITEAL HEIGHT

		KNEE HEIGHT, SITTING																	TOT ALS
		43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	
48.75	43 .75																		2
47.75	44 .75													2	4	3	3		12
46.75	45 .75											2	6	3	7	4	1		29
45.75	46 .75											6	26	21	5	2			60
44.75	47 .75											33	28	17	1				95
43.75	48 .75									3	13	44	11	1					121
42.75	49 .75								2	21	42	18	3						200
41.75	50 .75							3	37	76	62	22							217
40.75	51 .75						1	44	85	53	22	2							240
39.75	52 .75						5	49	51	68	25								167
38.75	53 .75						4	69	32	18	2								96
37.75	54 .75						4	29	14										58
36.75	55 .75							4	15	1									24
35.75	56 .75								8										7
34.75	57 .75								1										3
TOTALS		4	3	23	62	91	157	185	212	106	142	105	74	50	17	9	5	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	41.68	2.35	.84*X -	.84	.934
X- POPLITEAL HEIGHT	50.99	2.60	1.03*Y +	.93	

TABLE 213

A BIVARIATE FREQUENCY TABLE FOR
KNEE HEIGHT, SITTING AND BUTTOCK-KNEE LENGTH

KNEE HEIGHT, SITTING

	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	TOT ALS
68.75												1							1
67.75												1							2
66.75											2	1	1		1				3
65.75											1	1	1		1	1		1	7
64.75										1	5	5	3	3	1	3			21
63.75							1		1	6	5	4	8	5	1				33
62.75							1	1	5	6	5	12	12	3	2				46
61.75							1	2	9	10	21	15	10	1					71
60.75						3	4	8	15	26	20	15	11	2	1				106
59.75						2	9	21	31	27	18	14	2						124
58.75					1	7	15	38	33	28	17	4	2	1					146
57.75					1	7	20	35	40	23	7	1							183
56.75			2		3	10	25	45	40	36	4	1							179
55.75					8	17	36	28	32	10	5								137
54.75			4		15	20	35	32	13	3	1								123
53.75	1	1	5		14	22	19	13	3										78
52.75			5		9	9	2	1											35
51.75	1	2	7		7	3	1												22
50.75	2		4		4	2													12
49.75																			1
48.75			1																1
TOTALS	4	3	28	62	91	157	185	212	186	142	105	74	50	17	9	5	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	$.96^*X +$	1.78	.813
X- KNEE HEIGHT, SITTING	50.99	2.00	$.69^*Y +$	1.52	

TABLE 214
A BIVARIATE FREQUENCY TABLE FOR
POPLITEAL HEIGHT AND BUTTOCK-KNEE LENGTH

		POPLITEAL HEIGHT																	
		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT		
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS		
68.75														1			1		
67.75												1		1			2		
66.75												1	1	1			3		
65.75																2	7		
64.75																			
63.75							1		1	2	3	7	3	4	4		21		
62.75									3	7	7	5	9	2	4		33		
61.75												11	11	6	1		46		
60.75					1			3	4	15	15	17	8	8	1		71		
59.75							2	4	14	23	22	19	15	4	2		106		
58.75					1		7	16	21	31	29	15	5				124		
57.75					4		7	23	39	36	19	10	7	1			146		
56.75					2		14	47	51	34	13	7	1				163		
55.75					2		20	51	33	31	4	1					179		
54.75					4		11	36	27	11	3						137		
53.75					1		12	18	33	16							123		
52.75					2		12	17	22	13	7						78		
51.75					1		6	7	11	6							35		
50.75					1		2	5	3	2							22		
49.75					1		2	3	4								12		
48.75							1										1		
TOTALS		3	7	24	56	96	167	240	217	200	121	95	60	29	12	2	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	$1.00X +$	1.97	.704
X- POPLITEAL HEIGHT	41.08	2.35	$.59Y +$	1.52	

TABLE 215

A BIVARIATE FREQUENCY TABLE FOR
BUST DEPTH AND WAIST DEPTH

BUST DEPTH

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL
32.75																			1
31.75																			1
30.75																	1		1
29.75																	1		1
28.75															1				1
27.75															1				1
26.75															1				1
25.75															1				1
24.75															1				1
23.75															1				1
22.75															1				1
21.75															1				1
20.75															1				1
19.75															1				1
18.75															1				1
17.75															1				1
16.75															1				1
15.75															1				1
14.75															1				1
13.75															1				1
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST DEPTH	18.29	2.21	.73*X +	1.51	.731
X- BUST DEPTH	22.92	2.23	.74*Y +	1.52	

TABLE 216

A BIVARIATE FREQUENCY TABLE FOR
BUST DEPTH AND CHEST BREADTH

BUST DEPTH

	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	TOT ALS
40.75																			1
39.75																			0
38.75																			1
37.75																			0
36.75																			0
35.75																			0
34.75																			0
33.75																			3
32.75																			6
31.75																			22
30.75																			44
29.75																			85
28.75																			211
27.75																			271
26.75																			272
25.75																			239
24.75																			124
23.75																			46
TOTALS	1	1	2	3	5	8	17	27	37	46	59	68	73	76	76	76	76	76	6

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CHEST BREADTH	28.25	1.86	$.61X +$	1.26	.733
X- BUST DEPTH	22.92	2.23	$.08Y +$	1.51	

TABLE 217

A BIVARIATE FREQUENCY TABLE FOR
BUST DEPTH AND CHEST CIRCUMFERENCE AT SCYE

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
BUST DEPTH	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	ALS
120.25																			1
118.25																			0
116.25																			0
114.25																			0
112.25																			0
110.25																			1
108.25																			1
106.25																			1
104.25																			1
102.25																			1
100.25																			1
98.25																			1
96.25																			1
94.25																			2
92.25																			7
90.25																			9
88.25																			30
86.25																			27
84.25																			86
82.25																			131
80.25																			170
78.25																			183
76.25																			217
74.25																			169
72.25																			152
TOTALS	1	2	2	35	95	181	239	224	225	137	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$1.80^*X + 44.294$	3.31	.771
X-BUST DEPTH	22.92	2.23	$.33^*Y + -5.312$	1.42	

TABLE 210

A BIVARIATE FREQUENCY TABLE FOR
BUST DEPTH AND BUST CIRCUMFERENCE

BUST DEPTH

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
129.50																			1
127.00																			0
124.50																			0
122.00																			0
119.50																		1	1
117.00																			0
114.50															1	1	1	1	3
112.00																			0
109.50															1	2	1	1	3
107.00																			7
104.50																			9
102.00																			14
99.50																			42
97.00																			74
94.50																			108
92.00																			177
89.50																			189
87.00																			205
84.50																			186
82.00																			167
79.50																			88
77.00																			46
74.50																			8
72.00																			2
69.50																			1
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	$2.61X +$	2.73	.905
X- BUST DEPTH	22.92	2.23	$.31Y +$	.95	

TABLE 219

A BIVARIATE FREQUENCY TABLE FOR
BUST DEPTH AND CHEST CIRCUMFERENCE BELOW BUST

BUST DEPTH

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
108.25																			1
106.25																			0
104.25																			0
102.25																			0
100.25																			1
98.25																			0
96.25																			1
94.25																			1
92.25																			0
90.25																			1
88.25																			0
86.25																			2
84.25																			11
82.25																			5
80.25																			13
78.25																			40
76.25																			58
74.25																			92
72.25																			149
70.25																			195
68.25																			252
66.25																			175
64.25																			168
62.25																			121
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	SID DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.62	5.02	$1.74 * X$	3.19	.772
X-BUST DEPTH	22.92	2.23	$.34 * Y$	-2.520	1.41

TABLE 220

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND WAIST BREADTH

WAIST DEPTH

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL
39.75																					1
38.75																1					1
37.75																					0
36.75																	1				1
35.75																					0
34.75																					2
33.75											1										7
32.75									1	1	3	1								1	10
31.75								1	1	4	2	1	2					1			10
30.75									4	2	3	4	2	1							25
29.75								1	7	6	5	1	2								34
28.75								4	6	6	8	2									83
27.75								16	17	10	1	2									120
26.75								22	10	11											158
25.75								11	11	6											217
24.75								33	17	2											249
23.75								15	2												198
22.75								5	1												138
21.75								1	1												61
20.75								5	1												15
19.75								4													1
TOTALS	6	47	149	254	279	233	158	82	62	23	18	8	5	2	0	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	$.88^*X +$	1.50	.793
X- WAIST DEPTH	18.29	2.21	$.71^*Y +$	1.35	

TABLE 221

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND WAIST CIRCUMFERENCE

WAIST DEPTH

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
116.50																					1
114.00																					0
111.50																					0
109.00																					0
106.50																					2
104.00																1					1
101.50																					2
99.00														1							0
96.50																					1
94.00																					4
91.50																					10
89.00																					12
86.50																					19
84.00																					24
81.50																					37
79.00																					75
76.50																					105
74.00																					164
71.50																					180
69.00																					245
66.50																					202
64.00																					139
61.50																					83
59.00																					21
56.50																					4
TOTALS	6	47	149	254	279	233	158	82	62	23	18	8	5	2	0	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$2.80 \cdot X +$	3.03	.899
X- WAIST DEPTH	18.29	2.21	$.29 \cdot Y +$	-2.305	.97

TABLE 222

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND WAIST BREADTH

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
39.75																			1
38.75																			1
37.75																			0
36.75																			1
35.75																			0
34.75																			2
33.75																			7
32.75																			10
31.75																			10
30.75																			25
29.75																			34
28.75																			83
27.75																			120
26.75																			158
25.75																			217
24.75																			249
23.75																			198
22.75																			138
21.75																			61
20.75																			15
19.75																			1
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	$.97^*X -$	1.67	.734
X- CHEST BREADTH	28.25	1.86	$.56^*Y +$	1.26	

TABLE 223

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND HIP BREADTH

CHEST BREADTH

	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	TOT ALS
48.75																			1
47.75																		1	1
46.75																		0	0
45.75																		0	0
44.75																		1	1
43.75																		1	1
42.75																		7	7
41.75																		9	9
40.75																		19	19
39.75																		45	45
38.75																		65	65
37.75																		137	137
36.75																		163	163
35.75																		211	211
34.75																		228	228
33.75																		191	191
32.75																		134	134
31.75																		71	71
30.75																		32	32
29.75																		11	11
28.75																		4	4
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	$.79^*X +$	1.99	.593
X- CHEST BREADTH	28.25	1.86	$.45^*Y +$	1.49	

TABLE 224

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND SHOULDER BREADTH

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
55.75																			1
54.75																			0
53.75																			0
52.75																			1
51.75																			0
50.75																			1
49.75																			1
48.75																			1
47.75																			5
46.75																			7
45.75																			19
44.75																			60
43.75																			120
42.75																			159
41.75																			236
40.75																			239
39.75																			192
38.75																			153
37.75																			79
36.75																			46
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
SHOULDER BREADTH	42.05	2.24	$.99X + 14.08$	1.26	.825
CHEST BREADTH	28.25	1.86	$.68Y + .343$	1.05	

TABLE 225

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND CHEST CIRCUMFERENCE AT SCYE

CHEST BREADTH																			
	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	TOT ALS
120.25																			1
118.25																			0
116.25																			0
114.25																			0
112.25																			0
110.25																			1
108.25												1							1
106.25											1								1
104.25												1							1
102.25																			1
100.25							1												2
98.25																			7
96.25								2											9
94.25						1		11											30
92.25							7	12											27
90.25								13											86
88.25						1	18	36											131
86.25						2	11	46											178
84.25						5	26	66											183
82.25						1	19	57											217
80.25						6	46	81											169
78.25						1	25	60											152
76.25						7	36	77											86
74.25						1	12	42											38
72.25						3	21	10											9
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$2.40X + 17.755$	2.66	.059
X-CHEST BREADTH	28.25	1.86	$.31Y + 1.727$	.95	

TABLE 226

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND BUST CIRCUMFERENCE

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOTAL
129.50																			1
127.00																			0
124.50																			0
122.00																			0
119.50																			1
117.00																			0
114.50																			1
112.00																			0
109.50																			3
107.00																			0
104.50																			3
102.00																			7
99.50																			9
97.00																			14
94.50																			42
92.00																			74
89.50																			108
87.00																			177
84.50																			189
82.00																			205
79.50																			186
77.00																			167
74.50																			88
72.00																			46
69.50																			8
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	2.99X +	3.755	.852
X- CHEST BREADTH	28.25	1.86	.25Y +	3.25	.94

TABLE 227

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND CHEST CIRCUMFERENCE BELOW BUST

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
108.25																		1	1
106.25																		0	0
104.25																		0	0
102.25																		0	0
100.25																		1	1
98.25																		0	0
96.25																		1	1
94.25																		0	0
92.25																		2	2
90.25																		11	11
88.25																		5	5
86.25																		13	13
84.25																		40	40
82.25																		58	58
80.25																		92	92
78.25																		149	149
76.25																		195	195
74.25																		252	252
72.25																		175	175
70.25																		168	168
68.25																		121	121
66.25																		38	38
64.25																		4	4
62.25																		5	5
TOTALS	6	40	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$2.27 \cdot X +$	2.73	.638
X-CHEST BREADTH	28.25	1.86	$.31 \cdot Y +$	1.01	

TABLE 228

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND BACK CURVATURE-BUST

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	101
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
63.00																			1
61.50																			0
60.00																			0
58.50																			0
57.00																			0
55.50																			2
54.00												1				1			2
52.50										1	1								2
51.00										1	4	1							7
49.50										3	8	1							16
48.00							1	3		10	13	3	1						38
46.50						2	8	10	18	28	16	3	2						81
45.00					2	11	18	49	18	4	2								129
43.50					3	12	42	69	69	17	6								221
42.00					20	40	79	80	47	8									258
40.50					12	32	80	81	52	14	1								262
39.00					2	9	24	59	46	12									155
37.50	1	2	14	40	36	10	3	1											106
36.00	1	15	14	9	1														40
34.50	1	6	2	1															10
33.00																			0
31.50																			0
30.00	1	6	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	1.39*X +	1.84	.813
X- CHEST BREADTH	28.25	1.86	.48*Y +	8.101	1.08

TABLE 229

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND HIP BREADTH

WAIST BREADTH

	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	TOT ALS
48.75																						1
47.75																					1	1
46.75																						0
45.75																						0
44.75																						1
43.75																						1
42.75																						7
41.75																						9
40.75																						19
39.75																						45
38.75																						65
37.75																						137
36.75																						163
35.75																						211
34.75																						228
33.75																						191
32.75																						134
31.75																						71
30.75																						32
29.75																						11
28.75																						4
TOTALS	1	15	61	138	198	249	217	158	120	83	34	25	10	10	7	2	0	1	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	.57*X +	2.04	.563
X- WAIST BREADTH	25.58	2.40	.50*Y +	2.03	

TABLE 230

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND WAIST CIRCUMFERENCE

WAIST BREADTH

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	TOTAL
116.50																						1
114.00																						0
111.50																						0
109.00																						0
106.50																						2
104.00																						1
101.50																						2
99.00																						0
96.50																						1
94.00																						4
91.50																						10
89.00																						12
86.50																						19
84.00																						24
81.50																						37
79.00																						75
76.50																						105
74.00																						164
71.50																						180
69.00																						245
66.50																						202
64.00																						139
61.50																						83
59.00																						21
56.50																						4
TOTALS	1	15	61	138	198	249	217	158	120	83	34	25	10	10	7	2	0	1	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.41	6.90	$2.61 \cdot X +$	2.57	.928
X- WAIST BREADTH	25.58	2.46	$.33 \cdot Y +$	2.146	.91

TABLE 231

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND BACK CURVATURE-WAIST

WAIST BREADTH

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	TOT
58.50																						1
57.00																						0
55.50																						1
54.00																						0
52.50																						1
51.00																						2
49.50																						1
48.00																						1
46.50																						2
45.00																						2
43.50																						7
42.00																						15
40.50																						17
39.00																						30
37.50																						46
36.00																						83
34.50																						170
33.00																						225
31.50																						269
30.00																						237
28.50																						148
27.00																						63
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	1.26*X +	1.59	.889
X- WAIST BREADTH	25.58	2.46	.63*Y +	3.337	1.12

TABLE 232

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND SHOULDER BREADTH

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
.75																						ALS
55.75																						1
54.75																						0
53.75																						0
52.75																						1
51.75																						0
50.75																						1
49.75																						1
48.75																						1
47.75																						5
46.75																						7
45.75																						19
44.75																						60
43.75																						120
42.75																						159
41.75																						236
40.75																						239
39.75																						192
38.75																						153
37.75																						79
36.75																						46
TOTALS	4	11	32	71	134	191	228	211	163	137	65	45	19	9	7	1	1	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER BREADTH	42.65	2.24	.55*X +	22.594	1.78
X- HIP BREADTH	35.37	2.47	.67*Y +	7.196	1.97
					.605

TABLE 233

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND HIP CIRCUMFERENCE

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOI
135.00																						1
132.50																						1
130.00																						0
127.50																						0
125.00																						0
122.50																						2
120.00																1						1
117.50																	1					1
115.00																						3
112.50																						8
110.00																						14
107.50																						31
105.00																						54
102.50																						101
100.00																						166
97.50																						139
95.00																						225
92.50																						190
90.00																						165
87.50																						82
85.00																						54
82.50																						25
80.00																						6
77.50																						2
TOTALS	4	11	32	71	134	191	228	211	163	137	65	45	13	9	7	1	1	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	$2.35^*X +$	2.67	.908
X- HIP BREADTH	35.37	2.47	$.35^*Y +$	1.03	

TABLE 234

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND BACK CURVATURE-HIP

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	FOR
.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
69.00																						1
67.50																						0
66.00																					1	1
64.50																						0
63.00																						0
61.50																						0
60.00																						0
58.50																						3
57.00																						4
55.50																						11
54.00																						35
52.50																						37
51.00																						72
49.50																						105
48.00																						188
46.50																						214
45.00																						231
43.50																						192
42.00																						113
40.50																						74
39.00																						36
37.50																						9
36.00																						4
TOTALS	4	11	32	71	134	191	228	211	163	137	65	45	19	9	7	1	1	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	1.19*X +	2.31	.786
X- HIP BREADTH	35.37	2.47	.52*Y +	10.663	1.53

TABLE 235

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER BREADTH AND SHOULDER CIRCUMFERENCE

SHOULDER BREADTH

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
139.00																					1
136.50																					0
134.00																					0
131.50																					0
129.00																					0
126.50																					0
124.00																					0
121.50																					2
119.00																					2
116.50																					1
114.00																					6
111.50																					7
109.00																					28
106.50																					70
104.00																					117
101.50																					186
99.00																					241
96.50																					230
94.00																					205
91.50																					143
89.00																					64
86.50																					23
TOTALS	12	46	79	153	192	239	236	159	120	64	19	7	5	1	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	2.29*X +	1.90	.938
X- SHOULDER BREADTH	42.05	2.24	.38*Y +	3.898	.78

TABLE 236
A BIVARIATE FREQUENCY TABLE FOR
SHOULDER BREADTH AND SHOULDER LENGTH

		SHOULDER BREADTH																			TOT ALS
		36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	
18.50							1	2	1	4	2	1									2
18.00							1	5	3		3										11
17.50							1	14	6	15	2	1	1	1							14
17.00				2	2	2	1	19	15	13	5				1			1			48
16.50				2	5	6	14	24	32	18	12	2	1	2							79
16.00	1	1	3	5	10	17	28	40	31	25	12	5	2								153
15.50				6	21	32	40	40	31	16	7	3									217
15.00	2	11	9	26	47	56	56	47	30	16	7										254
14.50	1	4	18	29	42	50	50	47	20	12	10	2				1					237
14.00	2	11	17	34	20	25	25	25	16	10	3	5	1	1							170
13.50	3	7	15	13	16	13	9	9	2	5	1										84
13.00	2	2	4	9	5	8	4	4	2	2	2			1							41
12.50				1	2	3	1														13
12.00	1	2		2	2	1															8
TOTALS	12	46	79	153	192	239	236	236	159	120	60	19	7	5	1	1	0	1	0	0	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER LENGTH	15.00	1.06	.17*X +	.99	.358
X- SHOULDER BREADTH	42.05	2.24	.77*Y +	2.08	

TABLE 237

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER BREADTH AND INTERSCYE BACK

SHOULDER BREADTH

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	TOT
.75																					1
																					1
																					0
																					1
																					5
																					12
																					18
																					64
																					103
																					157
																					208
																					233
																					201
																					160
																					87
																					44
																					27
																					7
																					3
TOTALS	12	46	79	153	192	239	236	159	120	60	19	7	5	1	1	1	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE BACK	37.86	2.35	$.06^*X +$	1.84	.625
X- SHOULDER BREADTH	42.02	2.24	$.59^*Y +$	1.75	

TABLE 238

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER BREADTH AND INTERSCYE FRONT

SHOULDER BREADTH

	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	TOT ALS
40.50																					1
40.00																					0
39.50																					0
39.00																					2
38.50																					1
38.00																					3
37.50																					12
37.00																					16
36.50																					23
36.00																					37
35.50																					62
35.00																					84
34.50																					102
34.00																					125
33.50																					140
33.00																					175
32.50																					139
32.00																					141
31.50																					84
31.00																					79
30.50																					50
30.00																					30
29.50																					16
29.00																					4
28.50																					5
TOTALS	12	46	79	153	192	239	236	159	120	60	19	7	5	1	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE FRONT	33.17	1.75	$.54^*X + 10.465$	1.26	.633
X- SHOULDER BREADTH	42.05	2.24	$.69^*Y + 12.525$	1.61	

TABLE 239

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SHOULDER CIRCUMFERENCE

NECK CIRCUMFERENCE

	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	TOT ALS
139.00																1
136.50																0
134.00																0
131.50																0
129.00																0
126.50																0
124.00																0
121.50											1					2
119.00							1									2
116.50							1			3						1
114.00								6								6
111.50								11		1						7
109.00							3	13	4	2	2					28
106.50							33	23	8		1					70
104.00			1	3	12	45	35	20	7	3						117
101.50		1	3	24	57	89	50	12	8	1						186
99.00		1	14	45	76	62	21	9	5							241
96.50		1	1	25	56	41	17	5	1							230
94.00		5	30	40	34	28	6									205
91.50	1	7	16	25	14	2	1									143
89.00	1	3	6	6	5											64
86.50		1	3	1												23
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	2.46	2.28*X +	4.09	.663
X- NECK CIRCUMFERENCE	32.36	1.59	.19*Y +	1.19	

TABLE 240

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND NECK TO BUSTPOINT

NECK CIRCUMFERENCE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	TOT
33.25					1		2		1							1
32.25				1		1	1	3							1	3
31.25					2	7	6	1	2							8
30.25				3	5	10	7	4	1	2	2					18
29.25			1	6	12	35	18	15	5	2	1					35
28.25			1	4	21	33	38	20	6	1						95
27.25		3	10	25	52	54	32	22	7	2						166
26.25			14	47	70	62	36	16	6	1						204
25.25			4	23	43	61	34	10	6							252
24.25	1	4	4	24	31	42	34	14	5	1						236
23.25		5	16	20	26	23	7	4								154
22.25	1	2	7	12	9	8	6		4							105
21.25		1		3	2				1							46
20.25																6
19.25	1					1										2
TOTALS	3	19	100	212	307	334	262	100	39	10	4	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- NECK TO BUSTPOINT	25.28	2.08	$.47X + 10.074$	1.94	.350
X- NECK CIRCUMFERENCE	32.36	1.59	$.27Y + 25.534$	1.48	

TABLE 241

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SLEEVE INSEAM

		NECK CIRCUMFERENCE																		TOT ALS
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41				
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75				
54.75						1											1			
53.75						1	1	1	1		1						1			
52.75							3	4	2	1	1						5			
51.75																	11			
50.75					1	1	9	7	4			1					23			
49.75					2	8	10	2	8	5							35			
48.75				3	7	15	24	12	11	6	4	1					81			
47.75				2	14	23	22	19	11	1	1						93			
46.75			1	13	19	38	47	32	11	6	2						169			
45.75			3	8	25	46	42	27	13	7	2					1	174			
44.75			1	14	33	48	55	28	18	4		1					200			
43.75			2	7	23	42	46	23	5	3	1						204			
42.75			3	15	32	37	26	22	7	1		1					144			
41.75			4	11	16	31	25	15	3	2							110			
40.75				8	14	8	6	7	3	3							49			
39.75				3	4	4	8	1	1								21			
38.75						2	1	1	1								5			
37.75							3	1									4			
36.75																	1			
TOTALS		3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE INSEAM	45.05	2.61	$.43X + 31.139$	2.52	.260
X- NECK CIRCUMFERENCE	32.36	1.59	$.16Y + 25.152$	1.53	

TABLE 242

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SLEEVE OUTSEAM

NECK CIRCUMFERENCE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	TOT
64.75					1			1								2
63.75																0
62.75						1										1
61.75						1										4
60.75					1	1				2						13
59.75					5	12				2						32
58.75				1	11	7				1						44
57.75				4	17	19				1						78
56.75			2	7	15	30				2						99
55.75			3	12	14	33				4						130
54.75			1	7	10	24				8						157
53.75			3	10	24	38				4						174
52.75			2	15	24	45				6						161
51.75			1	12	33	39				3						172
50.75			1	25	30	47				2						124
49.75			3	10	32	28				3						72
48.75			3	6	16	17				1						36
47.75			1	6	6	2				2						16
46.75			3	3	3	5				1						10
45.75			1	1	3	2				1						5
44.75				1	1	2				1						1
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE OUTSEAM	53.80	2.96	$.53^*X + 36.646$	2.84	.282
X- NECK CIRCUMFERENCE	32.36	1.59	$.15^*Y + 24.291$	1.52	

TABLE 243

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND HEAD CIRCUMFERENCE

NECK CIRCUMFERENCE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	TOT
61.00																1
60.50							1	1								3
60.00									1							1
59.50						1	3	3	2	1						10
59.00					1	1	1	3			1					7
58.50					4	2	3	2	1							12
58.00			1	2	10	4	5	6	2	1						31
57.50			1	4	5	16	6	8	5	1						46
57.00			2	7	10	16	13	7	3	1						59
56.50			1	2	7	15	26	14	4	1	1					91
56.00		1	1	13	26	31	29	10	5	1	1					119
55.50		1	5	21	37	40	30	5	5							150
55.00		1	8	23	46	50	23	7	8	1	1					168
54.50		2	12	28	39	45	24	11		1						162
54.00		2	14	30	41	50	21	11	1							171
53.50		2	17	15	27	17	6	5								89
53.00	1	6	20	17	24	12	12	5		1						98
52.50	1		7	21	12	10	2	1								54
52.00	1	2	6	15	6	4	2									36
51.50		1		5	2	3	1	1								13
51.00			3	3	2											8
50.50																0
50.00				1												1
49.50			1													1
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD CIRCUMFERENCE	54.92	1.64	$.41^*X +$	1.50	.396
X- NECK CIRCUMFERENCE	32.36	1.59	$.38^*Y +$	1.46	

TABLE 244

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

SHOULDER CIRCUMFERENCE

	86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	TOT
120.25																							1
118.25																							0
116.25																							0
114.25																							0
112.25																1							1
110.25															1								1
108.25																1							1
106.25																							1
104.25																							1
102.25																							1
100.25																							1
98.25																							1
96.25																							1
94.25																							1
92.25																							1
90.25																							1
88.25																							1
86.25																							1
84.25																							1
82.25																							1
80.25																							1
78.25																							1
76.25																							1
74.25																							1
72.25																							1
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.87 \cdot X - 1.789$	2.06	.918
X-SHOULDER CIRCUMFERENCE	100.39	5.46	$.96 \cdot Y + 18.261$	2.16	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BUST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE																								
86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	TOT		
.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	ALS		
129.50																						1		
127.00																						0		
124.50																						0		
122.00																						0		
113.50															1							1		
117.00																						0		
114.50									1					2								3		
112.00															1							0		
103.50										3	2	1										3		
107.00										1	3	4	2									7		
104.50										4	11	11	4	1								9		
102.00										9	17	19	18	6	1							14		
99.50										1	4	30	29	20	1							42		
97.00										1	8	18	30	54	30	9	4					74		
94.50										1	5	65	42	16	5	1						108		
92.00										6	9	59	51	22	6	1						177		
83.50										1	14	49	60	30	11	2						189		
87.00										3	32	60	50	30	13	1						205		
84.50										1	20	49	51	30	13	1						186		
82.00										2	10	14	31	25	6	2						167		
79.50										1	9	20	9	4	1							88		
77.00										3	1	4	3									46		
74.50										1	1	1										8		
72.00										1												2		
69.50										1												1		
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1 1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	66.21	6.43	.98*X -	10.165	
X- SHOULDER CIRCUMFERENCE	100.39	5.46	.70*Y +	38.637	.628

TABLE 246
A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

SHOULDER CIRCUMFERENCE																								
	86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	TOT	
108.25																							1	
106.25																							0	
104.25																							0	
102.25																							0	
100.25																1							1	
98.25																							0	
96.25															1								1	
94.25																							0	
92.25										1	1		4		1	1							2	
90.25									1	2	4	1	1										11	
88.25									3	2	7	1											5	
86.25									15	10	4	1		1									13	
84.25						1	3	5	16	18	6	1											40	
82.25							7	10	21	24	14	3	2	1									58	
80.25					1	10	16	21	49	23	14	2	1										92	
78.25					9	21	38	65	50	25	4	1											149	
76.25					6	10	46	73	69	34	7	3											195	
74.25					3	16	32	46	43	35	11	3											252	
72.25					5	32	45	57	34	12	3												175	
70.25	1	3	13	45	57	34	12	3															168	
68.25	1	11	27	34	30	12	3																121	
66.25	2	7	11	9	6	2	1																38	
64.25			3																				4	
62.25	1	2	2																				5	
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331	

SUMMARY STATISTICS					
Y-CHEST CIRCUMFERENCE BELOW BUST	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
X- SHOULDER CIRCUMFERENCE	74.82	5.02	$.74^*X + .534$	2.95	.808
	100.39	5.46	$.88^*Y + 34.546$	3.21	

TABLE 247

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND WAIST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

	86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	TOT
.50 . 0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	ALS
16.50																							1
114.00																							0
111.50																							0
109.00																							0
106.50																							2
104.00																							1
101.50																							2
99.00																							0
96.50																							1
94.00																							4
91.50																							10
89.00																							12
86.50																							19
84.00																							24
81.50																							37
79.00																							75
76.50																							105
74.00																							164
71.50																							180
69.00																							245
66.50																							202
64.00																							139
61.50																							83
59.00																							21
56.50																							4
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	.95*X -	4.52	.755
X- SHOULDER CIRCUMFERENCE	100.39	5.46	.60*Y +	3.58	

TABLE 248

SHOULDER CIRCUMFERENCE

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
SHOULDER LENGTH	15.00	1.06	.06*X +	8.976	1.00
SHOULDER CIRCUMFERENCE	100.39	5.46	1.70*Y +	74.889	5.15

TABLE 249

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOT
129.50																										1
127.00																										0
124.50																										0
122.00																										0
119.50																										1
117.00																										0
114.50																										3
112.00																										0
109.50																										3
107.00																										0
104.50																										3
102.00																										7
99.50																										9
97.00																										14
94.50																										42
92.00																										74
89.50																										108
87.00																										177
84.50																										189
82.00																										205
79.50																										186
77.00																										167
74.50																										88
72.00																										46
69.50																										8
TOTALS	2	9	38	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	1.09X -	3.00	.884
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.71*Y +	2.42	

TABLE 250

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	TOTAL
108.25																											1
106.25																											0
104.25																											0
102.25																											0
100.25																											1
98.25																											0
96.25																											1
94.25																											0
92.25																											0
90.25																											1
88.25																											0
86.25																											1
84.25																											0
82.25																											2
80.25																											11
78.25																											5
76.25																											13
74.25																											40
72.25																											58
70.25																											92
68.25																											149
66.25																											195
64.25																											252
62.25																											175
TOTALS	2	9	38	86	152	169	217	163	178	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.837X + 3.815	2.60	.855
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.894Y + 16.956	2.69	

TABLE 251

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND WAIST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOTAL
116.50																										1
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										245
66.50																										202
64.00																										139
61.50																										83
59.00																										21
56.50																										4
TOTALS	2	9	38	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.41	6.90	$1.03^*X -$	4.34	.777
X- CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.58^*Y +$	3.27	

TABLE 252

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOTAL
135.00																										1
132.50																										1
130.00																										0
127.50																										0
125.00																										0
122.50																										2
120.00																										1
117.50																										1
115.00																										3
112.50																										8
110.00																										14
107.50																										31
105.00																										54
102.50																										101
100.00																										166
97.50																										199
95.00																										225
92.50																										190
90.00																										165
87.50																										82
85.00																										54
82.50																										25
80.00																										6
77.50																										2
TOTALS	2	9	38	86	152	169	217	183	178	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	$.89X +$	4.42	.722
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.59Y +$	29.194	3.60

TABLE 253

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BACK CURVATURE-BUST

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOTAL
63.00																										1
61.50																										0
60.00																										0
58.50																										0
57.00																										0
55.50																										2
54.00																										2
52.50																										2
51.00																										7
49.50																										16
48.00																										38
46.50																										81
45.00																										129
43.50																										221
42.00																										258
40.50																										262
39.00																										155
37.50																										106
36.00																										40
34.50																										10
33.00																										0
31.50																										0
30.00																										1
TOTALS	2	9	30	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	$.49^*X + .052$	1.85	.811
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$1.33^*Y + 29.727$	3.04	

TABLE 254

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

BUST CIRCUMFERENCE

	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	101
.50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
108.25																										
106.25																										
104.25																										
102.25																										
100.25																										
98.25																										
96.25																										
94.25																										
92.25																										
90.25																										
88.25																										
86.25																										
84.25																										
82.25																										
80.25																										
78.25																										
76.25																										
74.25																										
72.25																										
70.25																										
68.25																										
66.25																										
64.25																										
62.25																										
TOTALS	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$.08^*X +$	14.834	2.50
X-BUST CIRCUMFERENCE	88.21	6.43	$1.11^*Y +$	5.164	3.21
					.867

TABLE 255

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

BUST CIRCUMFERENCE

	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	TOTAL
116.50																										1
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										245
66.50																										202
64.00																										139
61.50																										83
59.00																										21
56.50																										4
TOTALS	1	1	2	8	46	88	167	166	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$.86^*X - 4.850$	4.15	.799
X- BUST CIRCUMFERENCE	88.21	6.43	$.74^*Y + 35.004$	3.86	

TABLE 256

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE

BUST CIRCUMFERENCE

	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	TOTAL
135.00																										1
132.50																										1
130.00																										0
127.50																										0
125.00																										0
122.50																										2
120.00																										1
117.50																										1
115.00																										1
112.50																										3
110.00																										0
107.50																										14
105.00																										31
102.50																										54
100.00																										101
97.50																										166
95.00																										199
92.50																										225
90.00																										190
87.50																										165
85.00																										82
82.50																										54
80.00																										25
77.50																										6
TOTALS	1	2	8	46	88	167	186	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	0	1	1331

SUMMARY STATISTICS

	Y-	X-	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
	HIP CIRCUMFERENCE		95.52	6.39	.71*X +	4.46	.715
	BUST CIRCUMFERENCE		88.21	6.43	.72*Y +	4.49	

TABLE 257

SUMMARY STATISTICS

Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	.70*X	+	92.093	5.68
X- HUST CIRCUMFERENCE	88.21	6.43	.55*Y	+	3.601	5.02
						.623

TABLE 258

BUST CIRCUMFERENCE

SUMMARY STATISTICS			
MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST
3			

BACK CURVATURE-BUST
BUST CIRCUMFERENCE

TABLE 259

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND WAIST CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	TOT
116.50																									1
114.00																									0
111.50																									0
109.00																									0
106.50																									2
104.00																									1
101.50																									2
99.00																									0
96.50																									1
94.00																									4
91.50																									10
89.00																									12
86.50																									19
84.00																									24
81.50																									37
79.00																									75
76.50																									105
74.00																									164
71.50																									180
69.00																									245
66.50																									202
64.00																									139
61.50																									83
59.00																									21
56.50																									4
TOTALS	5	4	3	4	121	108	175	252	195	149	92	58	40	13	5	11	2	0	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$1.08 * X -$	4.27	.785
X- CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$.57 * Y +$	3.11	

TABLE 260

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	TOT
135.00																									1
132.50																									1
130.00																									0
127.50																									0
125.00																									0
122.50																									2
120.00										1						1									1
117.50																									1
115.00													1												3
112.50										3		1	1		1			1							8
110.00										1		2	2	1	3										14
107.50										2		7	7	6											31
105.00										2		7	7	3											54
102.50										1		15	21	14	16	9	11	3							101
100.00										2		12	22	48	42	36	17	10	8	2					166
97.50										3		9	30	38	46	47	31	13	7	1					199
95.00										3		22	29	38	50	27	10	9	1						225
92.50										1		2	29	38	50	27	10	9	1						190
90.00	1	2								3		10	43	43	10	3	1								165
87.50										1		1	11	21	25	11	10								82
85.00	1									3		3	11	21	15	3									54
82.50	1	1								1		3	12	4											25
80.00	1	1								2		2													6
77.50	1									1															2
TOTALS	5	4	4	38	121	168	175	252	195	149	92	58	40	43	5	11	2	0	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	$.89x +$	4.56	.700
X-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$.55y +$	3.58	

TABLE 261

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND BACK CURVATURE-BUST

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	TOT
62																									107
.25																									ALS
63.00																									1
61.50																									0
60.00																									0
58.50																									0
57.00																									0
55.50																									2
54.00																									2
52.50																									2
51.00																									7
49.50																									16
48.00																									38
46.50																									81
45.00																									129
43.50																									221
42.00																									258
40.50																									262
39.00																									155
37.50																									106
36.00																									40
34.50																									10
33.00																									0
31.50																									0
30.00																									1
TOTALS	5	4	4	38	121	168	175	252	195	149	92	58	40	13	5	11	2	0	1	0	1	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.52*X +	1.77	.830
X-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	1.31*Y +	19.838	2.80

TABLE 262

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE

		WAIST CIRCUMFERENCE																									
		56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT
135.00	.50	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	ALS	
		59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	ALS	
135.00																										1	
132.50																										1	
130.00																										0	
127.50																										0	
125.00																										2	
122.50																										1	
120.00																										1	
117.50																										0	
115.00																										0	
112.50																										0	
110.00																										2	
107.50																										1	
105.00																										3	
102.50																										8	
100.00																										14	
97.50																										31	
95.00																										54	
92.50																										101	
90.00																										166	
87.50																										199	
85.00																										225	
82.50																										190	
80.00																										165	
77.50																										82	
TOTALS		4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.66X + 48.647	4.50	.709
X- WAIST CIRCUMFERENCE	71.01	8.90	.77Y + -2.534	4.86	

TABLE 263

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND BACK CURVATURE-WAIST

WAIST CIRCUMFERENCE

	50	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT
50	1																									1
59		1																								0
61			1																							1
64				1																						0
66					1																					0
69						1																				1
71							1																			2
74								1																		1
76									1																	2
79										1																7
81											1															15
84												1														17
86													1													30
89														1												46
91															1											83
94																1										170
96																	1									225
99																		1								269
101																			1							237
104																				1						148
106																					1					63
109																						1				12
111																							1			1
114																										1
116																										1
TOTALS	4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	37.31	3.48	$.47X +$	1.930	.938
X-	71.01	6.90	$1.86Y +$	1.20	
				2.38	

TABLE 264
A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST BACK

		WAIST CIRCUMFERENCE																											
		56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT		
		.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS		
51.75	50.75																										1		
																										0			
49.75	48.75																										4		
																										3			
47.75	46.75																										8		
																										20			
45.75	44.75																										41		
																										57			
43.75	42.75																										-85		
																										159			
41.75	40.75																										204		
																										177			
39.75	38.75																										191		
																										156			
37.75	36.75																										112		
																										76			
35.75	34.75																										24		
																										10			
33.75	TOTALS																										3		
		4	21	43	139	202	242	100	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	40.85	2.65	.13*X +	2.51	.329
X-	71.01	6.90	.85*Y +	6.52	

TABLE 265
A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST FRONT

	56	59	61	64	66	69	71	74	76	79	81	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT
47.75																									1
46.75											1														3
45.75																									4
44.75																									6
43.75																									10
42.75																									18
41.75																									34
40.75																									44
39.75																									77
38.75																									147
37.75																									171
36.75																									223
35.75																									187
34.75																									170
33.75																									140
32.75																									68
31.75																									26
30.75																									8
29.75																									2
TOTALS	4	21	43	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	36.74	2.63	.19*X +	2.26	.509
X-	71.01	6.90	1.34*Y +	5.94	

TABLE 266

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND AXILLA TO WAIST

WAIST CIRCUMFERENCE

	56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT
34.75																										1
33.75																										0
32.75																										1
31.75					1	1	1	1	1	1	2	1	1	4	1	1	1									5
30.75						2	4	1			1	1	1	1	1									1		13
29.75					1	1	1	1	1	2				1	1	1										11
28.75			1			2	6	1	3	4	6	1	2	2	2											11
27.75				1	3	3	5	5	15	8	9	4	1	3	2				1							29
26.75			2	3	9	10	15	15	19	6	10	2	3	1	2						2					62
25.75			1	7	9	11	24	29	22	16	8	7	3	5	1											100
24.75			3	10	11	19	32	46	34	19	16	9	3	6	2											154
23.75			2	17	19	32	46	34	19	16	9	3	6	2	2		1									213
22.75			2	5	29	31	41	29	29	10	9	4	3	3	1	2			1							197
21.75			1	6	15	18	35	43	25	30	19	9	5	2	2	1										213
20.75			6	16	22	29	25	23	18	15	7	8	2	2	1											172
19.75			1	5	16	23	17	11	8	6	4															94
18.75				5	7	6	9	6	3	1																37
17.75			1		2	5	4																			14
16.75					2																					4
TOTALS	4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1	1331

SUMMARY STATISTICS

	AXILLA TO WAIST	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-		23.10	2.52	$.11 \cdot X +$	2.39	.310
X-	WAIST CIRCUMFERENCE	71.01	6.90	$.85 \cdot Y +$	51.379	6.56

TABLE 267

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

HIP CIRCUMFERENCE

	77	80	82	85	87	90	92	95	97	100	102	105	107	110	112	115	117	120	122	125	127	130	132	135	TOTAL
79.25																									1
77.25																									0
75.25																									0
73.25																									2
71.25																									3
69.25																									12
67.25																									21
65.25																									27
63.25																									72
61.25																									159
59.25																									201
57.25																									245
55.25																									221
53.25																									151
51.25																									125
49.25																									56
47.25																									24
45.25																									10
43.25																									1
TOTALS	2	6	25	54	82	165	190	225	199	166	101	54	31	14	8	3	1	1	2	0	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- UPPER THIGH CIRCUMFERENCE	56.92	4.59	$.65X -$	1.92	.909
X- HIP CIRCUMFERENCE	95.52	6.39	$1.26Y +$	2.67	

TABLE 26a

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE AND BACK CURVATURE-HIP

HIP CIRCUMFERENCE

	77	80	82	85	87	90	92	95	97	100	102	105	107	110	112	115	117	120	122	125	127	130	132	135	TOTAL
69.00																									1
67.50																									0
66.00																									1
64.50																									0
63.00																									0
61.50																									0
60.00																									0
58.50																									3
57.00																									4
55.50																									11
54.00																									35
52.50																									37
51.00																									72
49.50																									105
48.00																									188
46.50																									214
45.00																									231
43.50																									192
42.00																									113
40.50																									74
39.00																									36
37.50																									9
36.00																									4
TOTALS	2	6	25	54	82	165	190	225	199	166	101	54	31	14	8	3	1	2	0	0	0	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	$.51^*X$	1.85	.668
X- HIP CIRCUMFERENCE	95.52	6.39	1.48^*Y	3.17	

TABLE 269

A BIVARIATE FREQUENCY TABLE FOR
ARM SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED

ARM SCYE CIRCUMFERENCE

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	TOT
39.25																							1
38.25																							0
37.25																							1
36.25																							1
35.25																							0
34.25																							2
33.25																							4
32.25																							7
31.25																							12
30.25																							39
29.25																							71
28.25																							106
27.25																							202
26.25																							249
25.25																							207
24.25																							194
23.25																							132
22.25																							62
21.25																							34
TOTALS	2	7	25	61	124	210	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	$.75^*X -$	1.265	1.40
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	$.84^*Y +$	14.945	1.48
					.793

TABLE 270

A BIVARIATE FREQUENCY TABLE FOR
ARM SCYE CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ARM SCYE CIRCUMFERENCE

	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	TOT ALS
33.00																							1
32.50																							1
32.00																							0
31.50																							1
31.00																							5
30.50																							8
30.00																							8
29.50																							18
29.00																							29
28.50																							41
28.00																							63
27.50																							184
27.00																							120
26.50																							153
26.00																							161
25.50																							161
25.00																							134
24.50																							149
24.00																							79
23.50																							40
23.00																							26
22.50																							12
22.00																							6
21.50																							3
TOTALS	2	7	25	61	124	210	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	$.44X + 9.471$	1.23	.051
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	$.97Y + 12.323$	1.84	

TABLE 271

ARM SCYE CIRCUMFERENCE

SUMMARY STATISTICS.

MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
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TABLE 272

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED AND ELBOW CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED

	21 .25	22 .25	23 .25	24 .25	25 .25	26 .25	27 .25	31 .25	32 .25	33 .25	34 .25	35 .25	36 .25	37 .25	38 .25	39 .25	TOT ALS
33.00											1						1
32.50																	1
32.00																	0
31.50																	1
31.00																	5
30.50												1					8
30.00								1	2								8
29.50						2	3	1	4	2							18
29.00				1		3	2	4	2	7	1				1		29
28.50				2	1	3	10	9	8	2	2						41
28.00				2	6	5	12	7	14	4	2						63
27.50				2	3	11	21	25	17	4	2						104
27.00				2	3	17	27	42	13	7	6	1					120
26.50		1	3	9	18	24	41	31	14	6							153
26.00			5	12	18	31	47	30	8	7	3						161
25.50			3	15	28	33	33	31	13	5							161
25.00		1	9	17	31	31	25	13	5		1						134
24.50	2	6	10	35	37	30	20	6	1	2							149
24.00	1	5	7	15	31	12	6	1	1								79
23.50		6	14	10	12	5											48
23.00		7	7	9													26
22.50	2	5	2	3													12
22.00	3	2			1												6
21.50		1	2														3
TOTALS	8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1 1331

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	$.47^*X +$	1.21	.668
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	$.94^*Y +$	1.71	

TABLE 271

ARM SCYE CIRCUMFERENCE

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
V-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	.49*X +	6.246	.98
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	1.21*Y +	7.717	1.55
					.768

TABLE 272

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED AND ELBOW CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	TOT
33.00																				1
32.50																				1
32.00																				0
31.50																				1
31.00																				5
30.50																				8
30.00																				8
29.50																				18
29.00																				29
28.50																				41
28.00																				63
27.50																				104
27.00																				120
26.50																				153
26.00																				161
25.50																				161
25.00																				134
24.50																				149
24.00																				79
23.50																				48
23.00																				26
22.50																				12
22.00																				6
21.50																				3
TOTALS	8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	.47*X +	1.21	.068
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	.94*Y +	1.71	

TABLE 273

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED

	21 .25	22 .25	23 .25	24 .25	25 .25	26 .25	27 .25	28 .25	29 .25	30 .25	31 .25	32 .25	33 .25	34 .25	35 .25	36 .25	37 .25	38 .25	39 .25	TOT ALS
33.25																				1
32.25																				0
31.25																				1
30.25																				0
29.25																				6
28.25																				24
27.25																				77
26.25																				188
25.25																				329
24.25																				337
23.25																				226
22.25																				108
21.25																				31
20.25																				3
TOTALS	8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.03	1.53	$.56^*X + 9.581$	.84	.836
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	$1.25^*Y + -3.914$	1.26	

TABLE 274

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	TOTAL
33.25														1
32.25														0
31.25														1
30.25														0
29.25														6
28.25														24
27.25														77
26.25														168
25.25														329
24.25														337
23.25														226
22.25														108
21.25														31
20.25														3
TOTALS	3	6	12	26	48	79	149	134	161	161	153	120	104	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	$.79 \cdot X + 4.107$	.85	.834
X-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	$.88 \cdot Y + 4.305$	.90	

TABLE 275

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	TOT
17.45															1
17.25															0
17.05										1					1
16.85												1			3
16.65															5
16.45															2
16.25															12
16.05															19
15.85															60
15.65															50
15.45															74
15.25															114
15.05															114
14.85															150
14.65															158
14.45															162
14.25															147
14.05															77
13.85															77
13.65															42
13.45															38
13.25															13
13.05															7
12.85															5
TOTALS	3	31	108	226	337	329	188	77	24	6	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WRIST CIRCUMFERENCE	14.71	.69	.33*X +	.47	.730
X-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	1.63*Y +	1.05	

TABLE 276

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, FLEXED AND HAND CIRCUMFERENCE

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	TOT
20															
.25															
21.30							1								2
21.00								3							3
20.70							1	1	2						4
20.40							4	4	2	1					12
20.10							11	9	8	4	1				36
19.80							17	18	8	3	1	1			56
19.50							17	27	15	6	2				98
19.20							21	32	28	15				1	104
18.90							32	49	28	11	4				142
18.60							30	73	67	31	4	2			216
18.30							31	48	45	18	4				158
18.00							42	45	32	14	4	1			167
17.70							35	42	20	7					128
17.40							26	31	16						94
17.10							17	13	4						62
16.80							6	3	1						30
16.50							7	3							15
16.20															3
15.90															1
TOTALS	3	31	108	226	337	329	188	77	24	6	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.80	.34*X +	.68	.614
X-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	1.1J*Y +	4.338	1.21

TABLE 277

A BIVARIATE FREQUENCY TABLE FOR
WRIST CIRCUMFERENCE AND HAND CIRCUMFERENCE

WRIST CIRCUMFERENCE

	12	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	16	16	16	16	16	16	17	17	17	TOT
	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	ALS
21.30																																	2
21.00																																	3
20.70																																	4
20.40																																	12
20.10																																	36
19.80																																	56
19.50																																	98
19.20																																	104
18.90																																	142
18.60																																	216
18.30																																	158
18.00																																	167
17.70																																	128
17.40																																	94
17.10																																	62
16.80																																	30
16.50																																	15
16.20																																	3
15.90																																	1
TOTALS	5	7	13	38	42	77	77	147	162	158	150	114	114	114	74	50	60	19	12	2	5	3	1	0	1	1331							

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.86	.92*X +	4.918	.737
X- WRIST CIRCUMFERENCE	14.71	.69	.59*Y +	3.822	.46

TABLE 27b

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	TOT
43 .25	1																			1
45 .25		1																		0
47 .25			1																	0
49 .25				1																3
51 .25					1															7
53 .25						1														12
55 .25							1													19
57 .25								1												44
59 .25									1											93
61 .25										1										160
63 .25											1									197
65 .25												1								246
67 .25													1							212
69 .25														1						163
71 .25															1					112
73 .25																1				47
75 .25																	1			13
77 .25																		1		2
79 .25																			1	1331
TOTALS	1	10	24	56	125	151	221	245	201	159	72	27	21	12	3	2	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE CIRCUMFERENCE	34.83	2.26	$.38X +$	1.42	.760
X- UPPER THIGH CIRCUMFERENCE	56.92	4.29	$1.50Y +$	2.87	

TABLE 279

A BIVARIATE FREQUENCY TABLE FOR
KNEE CIRCUMFERENCE AND CALF CIRCUMFERENCE

KNEE CIRCUMFERENCE

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOT
47.75																			1
46.75																			0
45.75																			0
44.75																			1
43.75																			1
42.75																			4
41.75																			6
40.75																			19
39.75																			37
38.75																			66
37.75																			105
36.75																			180
35.75																			196
34.75																			228
33.75																			184
32.75																			129
31.75																			84
30.75																			64
29.75																			20
28.75																			4
27.75																			2
TOTALS	2	13	47	112	163	212	246	197	160	93	44	19	12	7	3	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF CIRCUMFERENCE	35.09	2.51	.08*X +	1.53	.734
X- KNEE CIRCUMFERENCE	34.83	2.26	.72*Y +	9.561	1.38

TABLE 280

A BIVARIATE FREQUENCY TABLE FOR
CALF CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

CALF CIRCUMFERENCE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
25.00																						1
24.50																						5
24.00																						6
23.50																						23
23.00																						37
22.50																						93
22.00																						115
21.50																						154
21.00																						205
20.50																						205
20.00																						209
19.50																						133
19.00																						79
18.50																						35
18.00																						23
17.50																						6
17.00																						1
16.50																						1
TOTALS	2	4	20	64	84	129	184	220	190	180	105	66	37	19	6	4	1	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE CIRCUMFERENCE	20.73	1.25	.39*X +	.77	.790
X- CALF CIRCUMFERENCE	35.09	2.51	1.59*Y +	1.54	

TABLE 281

A BIVARIATE FREQUENCY TABLE FOR
ANKLE CIRCUMFERENCE AND HEEL-ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	TOT
.50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0 .50 . 0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36.00																			1
35.50																			2
35.00																			8
34.50																			4
34.00																			20
33.50																			31
33.00																			60
32.50																			87
32.00																			127
31.50																			143
31.00																			176
30.50																			167
30.00																			183
29.50																			131
29.00																			95
28.50																			48
28.00																			33
27.50																			7
27.00																			8
TOTALS	1	1	6	23	35	79	133	209	265	265	154	115	93	37	23	6	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEEL-ANKLE CIRCUMFERENCE	30.79	1.46	$.76^*X +$	1.11	.651
X- ANKLE CIRCUMFERENCE	20.73	1.25	$.56^*Y +$	.95	

TABLE 282

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE BACK AND INTERSCYE FRONT

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
INTERSCYE FRONT	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	ALS
40.50	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
40.00																			0
39.50																			0
39.00																			2
38.50																			1
38.00																			3
37.50																			12
37.00																			16
36.50																			23
36.00																			37
35.50																			62
35.00																			84
34.50																			102
34.00																			125
33.50																			140
33.00																			175
32.50																			139
32.00																			141
31.50																			84
31.00																			79
30.50																			50
30.00																			30
29.50																			16
29.00																			4
28.50																			5
TOTALS	3	7	27	44	87	160	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
INTERSCYE FRONT	33.17	1.75	$.29X +$	1.61	.386
INTERSCYE BACK	37.86	2.35	$.52Y +$	2.17	

TABLE 283

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE BACK AND BACK CURVATURE-BUST

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
63.00																			1
61.50																			0
60.00																			0
58.50																			0
57.00																			0
55.50																			2
54.00																			2
52.50																			2
51.00																			7
49.50																			16
48.00																			38
46.50																			81
45.00																			129
43.50																			221
42.00																			258
40.50																			262
39.00																			155
37.50																			106
36.00																			40
34.50																			10
33.00																			0
31.50																			0
30.00																			1
TOTALS	3	7	27	44	87	100	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.71*X +	2.70	.524
X- INTERSCYE BACK	37.86	2.35	.39*Y +	2.00	

TABLE 284

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE BACK AND BACK CURVATURE-WAIST

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
58.50																			1
57.00																			0
55.50													1						1
54.00																			0
52.50													1						1
51.00												1				1			2
49.50																			1
48.00																			2
46.50																			2
45.00																			7
43.50																			15
42.00																			17
40.50																			30
39.00																			46
37.50																			83
36.00																			170
34.50																			225
33.00																			269
31.50																			237
30.00																			148
28.50																			63
27.00																			12
TOTALS	3	7	27	44	87	100	201	233	208	157	103	04	10	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	$.67 * X +$	3.11	.420
X- INTERSCYE BACK	37.86	2.35	$.30 * Y +$	2.10	

TABLE 285

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE BACK AND BACK CURVATURE-HIP

INTERSCYE BACK

	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	TOT ALS
69.00																			1
67.50																			0
66.00													1						1
64.50																			0
63.00																			0
61.50																			0
60.00																			0
58.50																			3
57.00																			4
55.50																			11
54.00																			35
52.50																			37
51.00																			72
49.50																			105
48.00																			188
46.50																			214
45.00																			231
43.50																			192
42.00																			113
40.50																			74
39.00																			36
37.50																			9
36.00																			4
TOTALS	3	7	27	44	87	160	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	$.23X +$	3.52	.335
X- INTERSCYE BACK	37.86	2.35	$.21Y +$	2.22	

TABLE 286

A BIVARIATE FREQUENCY TABLE FOR
BACK CURVATURE-BUST AND BACK CURVATURE-WAIST

BACK CURVATURE-BUST

	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	60	61	63	TOT
58.50																								1
57.00																								0
55.50																								1
54.00																								0
52.50																								1
51.00																								2
49.50																								1
48.00																								2
46.50																								7
45.00																								15
43.50																								17
42.00																								30
40.50																								46
39.00																								83
37.50																								170
36.00																								225
34.50																								269
33.00																								237
31.50																								148
30.00																								63
28.50																								12
27.00																								1
TOTALS	1	0	0	0	10	10	155	262	258	221	129	81	38	16	7	2	2	2	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	$.84X + .051$	2.23	.758
X- BACK CURVATURE-BUST	41.97	3.17	$.70*Y + 17.257$	2.03	

TABLE 287

A BIVARIATE FREQUENCY TABLE FOR
BACK CURVATURE-BUST AND BACK CURVATURE-HIP

BACK CURVATURE-BUST

	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	60	61	63	TOT
.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0
69.00																								1
67.50																								0
66.00																								1
64.50																								1
63.00																								0
61.50																								0
60.00																								0
58.50																								3
57.00																								4
55.50																								11
54.00																								35
52.50																								37
51.00																								72
49.50																								105
48.00																								188
46.50																								214
45.00																								231
43.50																								192
42.00																								113
40.50																								74
39.00																								36
37.50																								9
36.00																								4
TOTALS	1	0	0	10	40	106	155	262	258	221	129	61	38	16	7	2	2	2	2	0	0	0	0	1
																								1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.72*X +	17.287	2.95
X- BACK CURVATURE-BUST	41.97	3.17	.52*Y +	17.268	2.51
					.612

TABLE 288

A BIVARIATE FREQUENCY TABLE FOR
BACK CURVATURE-WAIST AND BACK CURVATURE-HIP

BACK CURVATURE-WAIST

	27	28	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	TOT
69.00																							1
67.50																							0
66.00																							1
64.50																							0
63.00																							0
61.50																							0
60.00																							0
58.50																							3
57.00																							4
55.50																							11
54.00																							35
52.50																							37
51.00																							72
49.50																							105
48.00																							188
46.50																							214
45.00																							231
43.50																							192
42.00																							113
40.50																							74
39.00																							36
37.50																							9
36.00																							4
TOTALS	1	12	63	148	237	269	225	170	83	46	30	17	15	7	2	1	2	1	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	$.70 \cdot X +$	22.791	2.84
X- BACK CURVATURE-WAIST	35.31	3.48	$.60 \cdot Y +$	6.803	2.65

TABLE 289

A BIVARIATE FREQUENCY TABLE FOR
WAIST BACK AND WAIST FRONT

WAIST BACK

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	TOT
47.75																				1
46.75													1	1						3
45.75										1				2		1				4
44.75															2				1	6
43.75											3									10
42.75									1	2	2	4	2	1	2	2	1			18
41.75								4	5	7	6	1	6	3	1					34
40.75							1	3	9	5	8	8	5	3						44
39.75				1	3	2	7	7	10	11	10	8	9	3						77
38.75				1	7	15	9	22	29	33	14	9	6	1						147
37.75			3	3	7	19	23	17	30	30	14	8	5		3					171
36.75		2	1	11	14	25	40	28	44	30	14	12	2							223
35.75			4	12	17	33	33	39	28	19	8	4								187
34.75	1	1	4	10	26	32	35	29	15	13	3	1								170
33.75		3	7	20	24	25	21	22	10	4	3									140
32.75		2	4	10	8	12	12	5	3	4										60
31.75	2	2	1	5	3	5	5	1												26
30.75				1	2	1	4													8
29.75				2																2
TOTALS	3	10	24	76	112	156	191	177	204	159	85	57	41	20	8	3	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST FRONT	36.74	2.63	.60*X +	2.10	.602
X- WAIST BACK	40.85	2.65	.61*Y +	2.12	

TABLE 290

A BIVARIATE FREQUENCY TABLE FOR
SLEEVE INSEAM AND SLEEVE OUTSEAM

SLEEVE INSEAM

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	TOT
64.75																				2
63.75																				0
62.75																	1			1
61.75																	1			4
60.75																	2			13
59.75																	1			32
58.75																				44
57.75																				78
56.75																				99
55.75																				130
54.75																				157
53.75																				174
52.75																				161
51.75																				172
50.75																				124
49.75																				72
48.75																				36
47.75																				16
46.75																				10
45.75																				5
44.75																				1
TOTALS	1	4	5	21	49	110	144	204	200	174	169	93	81	35	23	11	5	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE OUTSEAM	53.00	2.96	1.02*X +	1.30	.838
X- SLEEVE INSEAM	45.05	2.01	.79*Y +	1.15	

TABLE 291

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND HEAD BREADTH

HEAD CIRCUMFERENCE

	49	50	51	52	53	54	55	56	57	58	59	60	61	TOTAL
16.45														3
16.25														3
16.05						1								14
15.85							1							14
15.65						3	2							26
15.45					2	2	4							58
15.25						1	10	8						84
15.05				1	2	5	16	14	17	19	22	18		145
14.85				4	4	5	15	16	19	28	15	13	1	142
14.65				3	3	6	19	23	31	41	18	7		207
14.45			1	2	1	1	2	3	27	33	27	16		220
14.25		1	2	7	4	9	11	31	35	23	18	6		166
14.05			1	8	9	23	16	21	13	14	11	1		127
13.85			1	3	10	7	6	5	4	5	3	2		53
13.65			3	1	7	10	4	8	4	2				41
13.45			2	4	4	4	2	1						21
13.25			2	2	1									6
13.05														1
TOTALS	1	1	8	13	36	54	98	89	171	162	163	150	119	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD BREADTH	14.61	.54	$.18 \cdot X +$	.45	.548
X- HEAD CIRCUMFERENCE	54.92	1.64	$1.67 \cdot Y +$	1.37	

TABLE 292

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND HEAD LENGTH

HEAD CIRCUMFERENCE

	49	50	50	51	51	52	52	53	53	54	54	54	55	55	56	56	57	57	58	58	59	59	60	60	61	TOT
20.80																										4
20.50																										5
20.20																										21
19.90																										45
19.60																										113
19.30																										145
19.00																										212
18.70																										243
18.40																										233
18.10																										152
17.80																										73
17.50																										53
17.20																										20
16.90																										8
16.60																										2
16.30																										2
TOTALS	1	1	1	0	8	13	36	54	98	89	171	162	168	150	113	91	59	46	31	12	7	10	1	3	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	16.71	.67	.33*X +	.583	.796
X-	54.92	1.64	1.94*Y +	18.630	.99

TABLE 293,

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND HEAD LENGTH

HEAD BREADTH

	13	13	13	13	13	14	14	14	14	14	14	14	15	15	15	15	15	15	16	16	16	16	TOT
	13	13	13	13	13	14	14	14	14	14	14	14	15	15	15	15	15	15	16	16	16	16	ALS
20.60																							4
20.50																							5
20.20																							21
19.90	1																						45
19.60		1																					113
19.30			2																				145
19.00	1		4																				212
18.70		1	2																				243
18.40			5																				233
18.10			4																				152
17.80			5																				73
17.50																							53
17.20																							20
16.90																							8
16.60																							2
16.30																							2
TOTALS	1	6	21	41	53	127	166	220	267	142	145	84	58	26	14	14	14	3	3	1331			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD LENGTH	18.71	.67	.20*X +	.86	.162
X- HEAD BREADTH	14.61	.54	.13*Y +	.53	

TABLE 294

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND PALM LENGTH

HAND LENGTH

	14	15	15	15	16	16	16	17	17	17	17	17	17	17	17	17	18	18	18	19	19	19	20	20	20	TOT
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	ALS
11.65																										2
11.45																										2
11.25																										9
11.05																										24
10.85																										36
10.65																										65
10.45																										107
10.25																										132
10.05																										207
9.85																										195
9.65																										192
9.45																										155
9.25																										100
9.05																										65
8.85																										30
8.65																										7
8.45																										2
8.25																										1
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	3	1331						

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- PALM LENGTH	9.88	.52	.53*X +	.22	.908
X- HAND LENGTH	17.44	.90	1.57*Y +	1.927	.38

TABLE 295

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND BREADTH

HAND LENGTH

	14	15	15	15	16	16	16	16	17	17	17	17	17	18	18	18	18	19	19	19	20	20	TOT
9.05																							5
8.85																							4
8.65																							26
8.45																							84
8.25																							157
8.05																							216
7.85																							266
7.65																							243
7.45																							173
7.25																							106
7.05																							38
6.85																							16
6.65																							3
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	3	1331			

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND BREADTH	7.82	.39	.26*X +	3.284	.31
X- HAND LENGTH	17.44	.90	1.40*Y +	6.496	.72

TABLE 296

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND CIRCUMFERENCE

HAND LENGTH

	14	15	15	15	16	16	16	17	17	17	17	17	17	18	18	18	18	19	19	19	19	20	20	20	TOT
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	TOT
21.30											1										1				2
21.00											1														3
20.70																									4
20.40																									12
20.10																									36
19.80																									56
19.50																									98
19.20																									104
18.90																									142
18.60																									216
18.30																									158
18.00																									167
17.70																									128
17.40																									94
17.10																									62
16.80																									30
16.50																									15
16.20																									3
15.90																									1
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	7	1331					

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.86	$.06 * X +$	.69	.592
X- HAND LENGTH	17.44	.90	$.62 * Y +$	.73	

TABLE 297

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND FOOT LENGTH

HAND LENGTH

	14	15	15	15	16	16	16	16	17	17	17	17	17	17	18	18	18	18	19	19	19	20	20	TOT
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	TOT	
30.00																						1	1	
29.50																							0	
29.00																							0	
28.50																							1	
28.00																							5	
27.50																						1	16	
27.00																						1	15	
26.50																						1	48	
26.00																							95	
25.50																							115	
25.00																							169	
24.50																							206	
24.00																							205	
23.50																							195	
23.00																							130	
22.50																							75	
22.00																							36	
21.50																							13	
21.00																							6	
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	3	1331				

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT LENGTH	24.32	1.25	$1.13 \cdot X +$	.72	.815
X- HAND LENGTH	17.44	.90	$.59 \cdot Y +$	.52	

TABLE 298

A BIVARIATE FREQUENCY TABLE FOR
PALM LENGTH AND HAND BREADTH

		PALM LENGTH																TOTALS
HAND BREADTH	PALM LENGTH	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
9.65	8	1																1
8.85	8																	1
8.65	8																	1
8.45	8																	1
8.25	8																	1
8.05	8																	1
7.85	8																	1
7.65	8																	1
7.45	8																	1
7.25	8																	1
7.05	8																	1
6.85	8																	1
6.65	8																	1
TOTALS		1	2	7	30	65	100	155	192	195	207	132	107	65	36	24	9	2

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HAND BREADTH	7.82	.39	$.36 \cdot X + .4$	.34	.483
X - PALM LENGTH	9.88	.52	$.65 \cdot Y + .4$	.46	

TABLE 299

A BIVARIATE FREQUENCY TABLE FOR
HAND BREADTH AND HAND CIRCUMFERENCE

HAND BREADTH

	6	6	7	7	7	7	7	8	8	8	8	8	9	TOT
	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	5	ALS
21.30													2	2
21.00													1	3
20.70													2	4
20.40													1	12
20.10													2	36
19.80													1	56
19.50													2	98
19.20													1	104
18.90													1	142
18.60													1	216
18.30													1	158
18.00													1	167
17.70													1	128
17.40													1	94
17.10													1	62
16.80													1	30
16.50													1	15
16.20													1	3
15.90													1	1
TOTALS	3	10	36	106	173	243	260	216	157	84	26	4	5	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HAND CIRCUMFERENCE	18.45	.86	$2.06 \cdot X + 2.340$	.31	.933
X - HAND BREADTH	7.82	.39	$.42 \cdot Y + .071$	.14	

TABLE 300

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND INSTEP LENGTH

FOOT LENGTH

	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	ALS
21.50																				1
21.20																				0
20.90																				3
20.60																				6
20.30																				10
20.00																				21
19.70																				20
19.40																				38
19.10																				87
18.80																				68
18.50																				136
18.20																				162
17.90																				146
17.60																				186
17.30																				114
17.00																				128
16.70																				90
16.40																				48
16.10																				40
15.80																				13
15.50																				10
15.20																				3
14.90																				1
TOTALS	6	13	6	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP LENGTH	17.65	.99	.73*X +	.37	.926
X- FOOT LENGTH	24.32	1.25	1.18*Y +	.47	

TABLE 301

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND HEEL-ANKLE CIRCUMFERENCE

FOOT LENGTH

	21	21	22	22	23	23	24	24	25	25	26	26	27	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
36.00																					1
35.50																					2
35.00																					8
34.50																					4
34.00																					20
33.50																					31
33.00																					60
32.50																					87
32.00																					127
31.50																					143
31.00																					176
30.50																					167
30.00																					183
29.50																					131
29.00																					95
28.50																					48
28.00																					33
27.50																					7
27.00																					8
TOTALS	6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION	EQU/	IONS	SE-EST	R
Y- HEEL-ANKLE CIRCUMFERENCE	30.79	1.46	.93*X +	6.173		.87	.801
X- FOOT LENGTH	24.32	1.25	.69*Y +	3.074		.75	

TABLE 302

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND FOOT BREADTH

FOOT LENGTH

	21	21	22	22	22	23	23	23	24	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
10.75														1		1		1					2
10.55														1		2							3
10.35														1		3							6
10.15														1		3							10
9.95														1		2							17
9.75														1		3							51
9.55														1		2							73
9.35														1		2							142
9.15														1		2							164
8.95														1		2							195
8.75														1		2							194
8.55														1		2							195
8.35														1		2							137
8.15														1		2							72
7.95														1		2							40
7.75														1		2							17
7.55														1		2							10
TOTALS	6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT BREADTH	8.87	.52	.22*X +	.44	.532
X- FOOT LENGTH	24.32	1.25	1.29*Y +	1.06	

TABLE 303

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND HEEL BREADTH

FOOT LENGTH

	21	21	22	22	22	23	23	23	24	24	25	25	26	26	27	27	27	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	ALS
7.65																						1
7.45																						2
7.25																						13
7.05																						24
6.85																						45
6.65																						112
6.45																						121
6.25																						205
6.05																						310
5.85																						219
5.65																						169
5.45																						76
5.25																						27
5.05																						7
TOTALS	6	13	36	75	130	195	205	206	109	115	95	48	15	10	5	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEEL BREADTH	6.09	.41	.18*X +	.35	.539
X- FOOT LENGTH	24.32	1.25	1.64*Y +	1.05	

TABLE 304

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND FOOT CIRCUMFERENCE

FOOT LENGTH

	21	21	22	22	22	23	23	23	24	24	25	25	25	26	26	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
27.10																	1						1
26.60																	1						1
26.10																		1					6
25.60																			1				12
25.10																							21
24.60																							42
24.10																							102
23.60																							162
23.10																							184
22.60																							247
22.10																							220
21.60																							145
21.10																							112
20.60																							53
20.10																							17
19.60																							6
TOTALS	6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331			

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT CIRCUMFERENCE	22.61	1.14	$.54 * X +$	9.477	.92
X- FOOT LENGTH	24.32	1.25	$.65 * Y +$	9.623	1.01

TABLE 305

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND INSTEP CIRCUMFERENCE

		FOOT LENGTH																TOTAL
		21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	
INSTEP CIRCUMFERENCE	FOOT LENGTH	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	TOTAL
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27.70																		3
27.20																		7
26.70																		11
26.20																		26
25.70																		39
25.20																		78
24.70																		134
24.20																		157
23.70																		199
23.20																		219
22.70																		178
22.20																		135
21.70																		91
21.20																		33
20.70																		17
20.20																		4
TOTALS		6	13	36	75	133	195	205	206	169	115	95	48	15	16	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
INSTEP CIRCUMFERENCE	23.48	1.26	$.06 * X +$	.95	.656
FOOT LENGTH	24.32	1.25	$.05 * Y +$	.94	

TABLE 306

A BIVARIATE FREQUENCY TABLE FOR
INSTEP LENGTH AND FOOT BREADTH

INSTEP LENGTH

	14	15	15	15	16	16	16	17	17	17	17	18	18	18	19	19	19	19	20	20	20	20	21	21	21	TOT
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	ALS
10.75																										2
10.55																										3
10.35																										6
10.15																										10
9.95																										17
9.75																										51
9.55																										73
9.35																										145
9.15																										164
8.95																										195
8.75																										194
8.55																										195
8.35																										137
8.15																										72
7.95																										40
7.75																										17
7.55																										10
TOTALS	1	3	10	13	40	48	90	128	114	186	146	162	130	60	87	38	20	21	10	6	3	0	1	1331		

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	8.87	.52	.25*X +	.45	.481
X-	17.85	.99	.92*Y +	.86	

TABLE 307
A BIVARIATE FREQUENCY TABLE FOR
INSTEP LENGTH AND INSTEP CIRCUMFERENCE

		INSTEP LENGTH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
14	15	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP CIRCUMFERENCE	23.48	1.26	.83X +	8.662	.97
X- INSTEP LENGTH	17.85	.99	.50Y +	6.113	.75
					.644

TABLE 308

A BIVARIATE FREQUENCY TABLE FOR
FOOT BREADTH AND HEEL BREADTH

FOOT BREADTH

	7	7	7	8	8	8	8	9	9	9	9	9	10	10	10	10	TOT
7.65																	1
7.45																	2
7.25																	13
7.05																	24
6.85																	45
6.65																	112
6.45																	121
6.25																	205
6.05																	310
5.85																	219
5.65																	169
5.45																	76
5.25																	27
5.05																	7
TOTALS	10	17	40	72	137	195	194	195	164	145	73	51	17	10	6	3	2 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
HEEL BREADTH	6.09	.41	$.40^*X +$	.36	.503
FOOT BREADTH	6.87	.52	$.63^*Y +$	.45	

TABLE 309

A BIVARIATE FREQUENCY TABLE FOR
FOOT BREADTH AND FOOT CIRCUMFERENCE

FOOT BREADTH

	7	7	7	8	8	8	8	8	9	9	9	9	9	9	10	10	10	10	10	TOT
	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	TOT	
27.10															1				1	
26.60																			1	
26.10															2	1			1	
25.60															1	2			6	
25.10													1	6	2				12	
24.60													7	1	2				21	
24.10													2						42	
23.60													2	2					102	
23.10													3						162	
22.60													2						184	
22.10													1	5					247	
21.60													1	6					220	
21.10													3	1					145	
20.60													2						112	
20.10													1						53	
19.60																			17	
TOTALS	10	17	40	72	137	195	194	195	164	145	73	51	17	10	6	3	2	1331	6	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT CIRCUMFERENCE	22.61	1.14	$1.00X + 5.940$	.51	.848
X- FOOT BREADTH	8.87	.52	$.38Y + .275$	.27	

TABLE 310

A BIVARIATE FREQUENCY TABLE FOR
FOOT CIRCUMFERENCE AND INSTEP CIRCUMFERENCE

FOOT CIRCUMFERENCE

	19	20	21	22	23	24	25	26	27	TOT				
.00	.00	.10	.20	.30	.40	.50	.60	.70	.80	.90				
27.70										3				
27.20										7				
26.70										11				
26.20										26				
25.70										39				
25.20										78				
24.70										134				
24.20										157				
23.70										199				
23.20										219				
22.70										178				
22.20										135				
21.70										91				
21.20										33				
20.70										17				
20.20										4				
TOTALS	6	17	53	112	145	220	247	184	162	102	6	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP CIRCUMFERENCE	23.48	1.26	.86*X +	.79	.780
X- FOOT CIRCUMFERENCE	22.61	1.14	.71*Y +	.72	

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